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## Vocabulary Builder Reference from...

David Agus: A new strategy in the war on cancer |  
TED Talk

[https://www.ted.com/talks/david\\_agus\\_a\\_new\\_strategy\\_in\\_the\\_war\\_on\\_cancer](https://www.ted.com/talks/david_agus_a_new_strategy_in_the_war_on_cancer)

### All Words

#### IMPORTANT

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## Session 1: Word List

### cancer

*n.* abnormal growth of cells that can invade and destroy surrounding tissues and organs; a disease characterized by the uncontrolled growth and spread of abnormal cells

*synonym*: tumor, carcinoma, malignancy

(1) **cancer** diagnosis, (2) **cancer** research

Breast **cancer** is the most common type of cancer in women.

### pharmacy

*n.* a place where medicines are prepared and dispensed; a drugstore or chemist's

*synonym*: drugstore, chemist's, apothecary

(1) **pharmacy** chain, (2) online **pharmacy**

I need to go to the hospital **pharmacy** to pick up my prescription.

### fortune

*n.* a large amount of money or property; chance or luck as an unknown and arbitrary force affecting human affairs

*synonym*: wealth, affluence, assets

(1) ill **fortune**, (2) bit of good **fortune**

Capitalism guarantees the right of ownership of personal **fortune**.

### down-hearted

*adj.* feeling disheartened, discouraged, or dejected; having a low or depressed spirit or mood

*synonym* : dejected, disheartened, discouraged

(1) **down-hearted** expression, (2) **down-hearted** mood

He felt **down-hearted** after receiving the rejection letter for his dream job.

## cliff

*n.* a steep rock face, especially one at the edge of the sea or a river

*synonym* : crag, escarpment, precipice

(1) a bold **cliff**, (2) **cliff** diving

He stood at the edge of the **cliff** and looked out to sea.

## survivor

*n.* a person who remains alive after an event in which others have died

*synonym* : subsister

(1) ovarian cancer **survivor**, (2) a single **survivor**

The shipwreck **survivor** was rescued after floating in the ocean for three days.

## clinical

*adj.* of or relating to the examination and treatment of patients rather than theoretical or laboratory studies

*synonym* : dispassionate, analytic, scientific

(1) **clinical** surgery, (2) participate in **clinical** trials

She received special **clinical** training at the hospital.

## par

*n.* a state of being equal to someone or something

*synonym* : equality, standard, balance

(1) above **par** performance, (2) not up to **par**

Shares in the company finally fell below their **par** value.

## upstate

*adj.* relating to or located in the region that is located in the northern part of a state or country, particularly in the United States

*synonym* : northern

(1) **upstate** Connecticut, (2) **upstate** region

He grew up in a small town in **upstate** New York.

- experimental** *adj.* relating to or based on new ideas, forms, methods, etc. that have not been tried before, usually to find out what effect they have  
*synonym* : empirical, exploratory, observed  
(1) **experimental** data, (2) **experimental** design  
The product is still in the **experimental** stage.
- therapy** *n.* the act of caring for someone through medication, remedial training, etc.  
*synonym* : antidote, medicine, treatment  
(1) **therapy** for a patient, (2) field of gene **therapy**  
I underwent aversion **therapy** for my addiction to alcohol.
- disease** *n.* a disorder or illness that affects the body or mind, often characterized by specific symptoms or abnormal functioning of organs or systems  
*synonym* : illness, ailment, affliction  
(1) **disease** prevention, (2) **disease** control  
The doctor diagnosed him with a rare **disease** that had no known cure.
- remarkable** *adj.* worthy of attention because unusual or special  
*synonym* : outstanding, exceptional, extraordinary  
(1) **remarkable** achievement, (2) the **remarkable** breadth of knowledge  
The election was a **remarkable** success for the Whigs.
- reduction** *n.* a decrease in size, amount, or degree  
*synonym* : diminution, decrease, cutback  
(1) **reduction** strategy, (2) a gradual **reduction**  
The **reduction** in carbon emissions has been significant since the implementation of the new policy.
- biology** *n.* the scientific study of life and the natural processes of living things  
(1) evolutionary **biology**, (2) cell and molecular **biology**

In junior high school, we had to dissect a frog in **biology** class.

## individual

*n.* a single person or thing, as distinct from a group

*synonym* : person, being, self

(1) a private **individual**, (2) **individual** freedom

As an **individual**, he had the right to make his own decisions and live his life as he saw fit.

## gene

*n.* the fundamental unit of heredity and the sequence of nucleotides in DNA that codes for the creation of RNA or protein.

*synonym* : factor, cistron

(1) **gene** expression, (2) **gene** cloning

A defective **gene** is responsible for the disease.

## astound

*v.* to surprise or shock someone with wonder very much

*synonym* : amaze, astonish, surprise

(1) **astound** everyone, (2) **astound** the viewer

The final result was nothing short of **astounding**.

## sober

*adj.* not drunk or affected by alcohol; dignified in manner or character and committed to keeping promises

*synonym* : calm, lucid, temperate

(1) **sober** discussion, (2) as **sober** as a judge

He led a **sober** life.

## obvious

*adj.* easy to see, discover or understand

*synonym* : apparent, conspicuous, evident

(1) **obvious** reasons, (2) his conclusion was **obvious**

There are **obvious** differences between the two wine-producing regions.

## cardiovascular

*adj.* of or relating to the heart and blood vessels (= tubes that carry blood around the body)

(1) **cardiovascular** diseases, (2) **cardiovascular** tissue

Smoking places you at severe risk of **cardiovascular** and respiratory disease.

## chronic

*adj.* being long-lasting and recurrent or characterized by long suffering; habitual

*synonym*: established, regular, constant

(1) risk of **chronic** disease, (2) **chronic** alcohol consumption

**Chronic** hyperglycemia is a trigger for a variety of serious diseases.

## myelogenous

*adj.* originating from or relating to the bone marrow or spinal cord, specifically referring to the production or development of bone marrow cells

*synonym*: myeloblastic, myeloid, granulocytic

(1) chronic **myelogenous** leukemia, (2) **myelogenous** cells

The latest therapies for acute **myelogenous** leukemia show promise in early clinical trials.

## leukemia

*n.* a type of cancer that affects the blood and bone marrow, in which abnormal white blood cells are produced and grow uncontrollably

*synonym*: blood cancer

(1) childhood **leukemia**, (2) acute **leukemia**

The symptoms of **leukemia** may include fatigue, weakness, and fever.

## remission

*n.* a period of time when a disease or condition is no longer present or active; a lessening or reduction of symptoms or intensity; forgiveness or pardon for sins or debts

*synonym*: forgiveness, amnesty, absolution

(1) complete **remission**, (2) clinical **remission**

The cancer patient was delighted to hear that their disease was in **remission**.

## comfort

*n.* a state of physical ease and freedom from pain or constraint

*synonym* : ease, solace, coziness

(1) words of **comfort**, (2) **comfort** level

He found **comfort** in the warm embrace of his loved ones.

## zone

*n.* a specific area, region, or section that is marked off or defined in some way

*synonym* : area, region, territory

(1) time **zone**, (2) **zone** defense

He was reluctant to leave his comfort **zone** and try something new.

## mass

*n.* a large amount of a substance with no definite shape or form; a large number of people or things grouped or crowded together

*synonym* : abundance, crowd, mob

(1) a **mass** of molten rock, (2) critical **mass**

The **mass** of people who do not own property is politically impotent.

## abnormal

*adj.* not typical, usual, or regular, especially in a way that is bad

*synonym* : aberrant, bizzare, unusual

(1) **abnormal** heart rhythms, (2) **abnormal** cells

An **abnormal** climate in the region caused a sharp decline in grain harvest.

## stick

*v.* to put something, usually a sharp object, into something; to restrict yourself to doing or using one certain thing and not change; (noun) a thin piece of wood or other material

*synonym* : pierce, adhere, stay

(1) **stick** a key in a lock, (2) fire **stick**

You **stick** a bill in the change machine, and the coins pop out.

## needle

*n.* a thin, pointed object typically used for sewing or medical purposes; a metal or plastic instrument used for

administering injections or drawing blood

*synonym*: thorn, spike, pin

(1) **needle** prick, (2) sewing **needle**

The acupuncturist inserted **needles** into specific points on my body to alleviate my pain.

## diagnose

*v.* to determine or distinguish the nature of a problem or an illness through a careful analysis

*synonym*: identify, analyze, interpret

(1) **diagnose** the problem, (2) **diagnose** with CT scans

This device is used to **diagnose** brain cancer and other tumors.

## recognition

*n.* the action or process of recognizing or being recognized, especially by remembering; an agreement that something is true or legal

*synonym*: acknowledgement, identification, credit

(1) **recognition** award, (2) joint **recognition**

He was given **recognition** for his outstanding work in the field of medicine.

## doe

*n.* a mature female of mammals of which the male is called a buck, such as a deer or a rabbit

*synonym*: rabbit, bunny, hare

(1) **doe** rabbit, (2) buck and **doe**

Hunters use a whistle that makes the **doe** sound to lure stags.

## norm

*n.* something that is regarded as usual, typical, or standard

*synonym*: criterion, mean, standard

(1) **norm** of action, (2) cultural **norm**

The systems we have developed has accepted as industry **norms**.

## pathology

*n.* the study of the nature and cause of diseases and disorders; the medical specialty that deals with the

diagnosis and treatment of diseases and disorders

*synonym* : medical science, pathophysiology

(1) benign **pathology**, (2) clinical **pathology**

The **pathology** report showed no signs of cancer, giving her family a sense of relief.

### state-of-the-art

*adj.* characterized by the use of the latest and most advanced technology or methods; cutting-edge

*synonym* : advanced, cutting-edge, innovative

(1) **state-of-the-art** technology, (2) **state-of-the-art** software

The hospital has **state-of-the-art** equipment and facilities to ensure the best healthcare for its patients.

### molecular

*adj.* of or relating to molecules (= a group of two or more atoms held together by attractive forces known as chemical bonds)

*synonym* : microscopic, atomic

(1) **molecular** structure, (2) **molecular** biology

**Molecular** weight is the sum of all the atoms.

### sequence

*n.* a series of related events, actions, numbers, etc., which have a particular order

*synonym* : arrangement, succession, series

(1) the **sequence** of the seasons, (2) the DNA **sequence**

We do move forward with those tasks in **sequence** next week.

### refer

*v.* to direct someone's attention, thoughts, or questions to another source or person; to mention, cite, or allude to something as evidence or support

*synonym* : cite, allude, mention

(1) **refer** to a book, (2) **refer** to a map

Please **refer** to the instruction manual for further assistance.



## fancy

*v.* to want to do or have something; (noun) something that many people believe but that is false, or that does not exist; imagination or fantasy

*synonym* : imagine, visualize, (noun) fantasy

(1) **fancy** a cup of coffee, (2) a flight of **fancy**

I don't **fancy** acting in such an important role.

## chromosome

*n.* a long and string-like DNA molecule containing the part or all of the genetic material of an organism that controls what an animal or plant is like

*synonym* : DNA

(1) a sex **chromosome**, (2) the end of **chromosome**

Human females normally have two X **chromosomes**.

## advance

*v.* to go or move forward; to develop in a positive way

*synonym* : progress, boost, come along

(1) **advance** the technology, (2) **advance** a cooperative relationship

Scientific knowledge will **advance** significantly with the power of AI.

## firm

*adj.* resolute or unwavering in decision-making or action; strong or secure in structure, make, or composition; reliable, trustworthy, or dependable; (noun) a business or company

*synonym* : stable, secure, steadfast

(1) **firm** grip, (2) accounting **firm**

The **firm** deadline for submitting the project is tomorrow, so we need to work efficiently to finish on time.

## identify

*v.* to recognize someone or something and say or prove who or what they are

*synonym* : determine, specify, recognize

(1) **identify** handwriting, (2) **identify** gene sequences

I will introduce you to how to **identify** the leading causes of the malfunction.

## catching

*adj.* attracting attention or interest; likely to be noticed or remembered; appealing or compelling

*synonym*: contagious, alluring, captivating

(1) **catching** fire, (2) **catching** disease

The **catching** scent of freshly baked bread made my mouth water.

## allude

*v.* to suggest or make reference to something indirectly

*synonym*: imply, indicate, hint

(1) **allude** to his low origin, (2) **allude** to the planning

He **alluded** to the problem but did not mention it directly.

## cofounder

*n.* one of several people who establishes an organization or starts a business

(1) **cofounder** of the university, (2) late **cofounder**

He is the **cofounder** and chairman of this tech company.

## spit

*v.* to eject saliva or other liquid from the mouth

*synonym*: expectorate, saliva, spew

(1) **spit** a bullet, (2) **spit** a mouthful of saliva

She tried to **spit** out the gum that she had been chewing.

## tube

*n.* a cylindrical container of metal, plastic, glass, etc., usually sealed and used as a means of preserving food or chemicals; a hollow cylindrical shape

*synonym*: pipe, hose, duct

(1) a capillary **tube**, (2) a glass **tube**

The **tube** train was packed with commuters during rush hour.

## genetic

*adj.* of or relating to genes (= parts of the DNA in cells) or the science of genes

*synonym*: hereditary, genetical, inborn

(1) have **genetic** testing, (2) a **genetic** disorder

Understanding protein folding is a vital step in deciphering the **genetic** code.

## delay

*v.* to cause something to happen at a later time than originally intended or expected

*synonym*: block, adjourn, detain

(1) **delay** a flight three hours, (2) **delay** the new project  
We **delayed** the payment because of an incorrect invoice.

## statistics

*n.* the discipline that concerns the collection, organization, analysis, interpretation, and presentation of data

(1) **statistics** for cancer, (2) official **statistics**

The **statistics** demonstrate that poverty and unemployment are genuine problems.

## evolution

*n.* a gradual process of transformation of living things

*synonym*: elaboration, expansion, transition

(1) human **evolution**, (2) **evolution** theory

They study the **evolution** of the universe.

## childbearing

*n.* the act of giving birth to or bearing a child (or children), often in the context of medical or demographic research or public policy

*synonym*: accouchement, childbirth, maternity

(1) **childbearing** capacity, (2) **childbearing** at a later age

Many women delay **childbearing** until their careers are established.

## progeny

*n.* the descendants or offspring of a person, animal, or plant

*synonym*: offspring, children, descendants

(1) **progeny** viral DNA, (2) **progeny** of plants

The royal family has much **progeny** scattered across the globe.

## extreme

*adj.* very great in amount or degree

*synonym*: farthestmost, outermost, fierce

(1) **extreme** sports, (2) **extreme** weather events

Solar gravity creates **extreme** pressures and temperatures.

## heterogeneous

*adj.* diverse in character or content; composed of parts of different kinds; not uniform

*synonym* : diverse, dissimilar, varied

(1) **heterogeneous** mixture, (2) **heterogeneous** system

The **heterogeneous** group of students came from different countries and spoke various languages.

## substrate

*n.* a substance or layer from which an organism grows and lives and by which an organism is supported; a substance on which an enzyme or ferment act

(1) a silicon **substrate**, (2) **substrate** cell

Computational simulations help determine which **substrate** molecule is susceptible to change by specific enzymes.

## aggressive

*adj.* behaving in an angry, energetic, or threatening way towards another person; tending to spread quickly

*synonym* : assertive, combative, threatening

(1) an **aggressive** war, (2) an **aggressive** tumor

An **aggressive** tide wrecked the ship.

## clone

*n.* a plant or animal whose genetic information is identical to that of a parent organism from which it was created; an unauthorized copy or imitation

*synonym* : duplicate, imitation, reproduction

(1) **clone** embryo, (2) recombinant **clone**

He is like an exact **clone** of his brother.

## defect

*n.* an imperfection, shortcoming, or lack of something or someone

*synonym* : fault, blemish, flaw

(1) visual **defects**, (2) **defects** of character

**Defects** in the design could cause much worse issues.

## fundamental

*adj.* forming an essential base or core from which everything else develops or is affected

*synonym* : basic, essential, entire

(1) **fundamental** education, (2) **fundamental** rights

Human behavior has **fundamental** characteristics.

## adjective

*n.* a word that describes a noun or pronoun

*synonym*: modifier, accessory, attribute

(1) **adjective** clause, (2) an attributive **adjective**

The **adjective** "red" describes the color of the apple.

## symptom

*n.* any sensation or change in body or mind that is experienced by a patient and is associated with a particular disease

*synonym*: sign, manifestation, syndrome

(1) **symptoms** of low testosterone, (2) neurotic **symptoms**

The patient displays a **symptom** of a side effect.

## bloated

*adj.* having an abnormally swollen or enlarged appearance, often due to an accumulation of fluid or excessive consumption of food or drink

*synonym*: swollen, inflated, puffed-up

(1) **bloated** budget, (2) **bloated** feeling

Her stomach was visibly **bloated** after eating a large meal.

## anatomy

*n.* the scientific study that deals with the physical structure of humans, animals, or plants

(1) animal **anatomy**, (2) **anatomy** of a country's collapse

The professor explained the **anatomy** of the nervous system.

## scan

*v.* to examine something hastily, with the eyes or with a machine, to get information

*synonym*: look over, scrutinize, browse

(1) **scan** the face of the man, (2) **scan** a document into PDF

She stood on the podium and **scanned** an audience.

## centimeter

*n.* a unit of measurement of length in the metric system, equivalent to one-hundredth of a meter

(1) **centimeter** measurement, (2) thirty **centimeters** tall

The room was only one **centimeter** wider than the piano, making it a tight fit.

## **liver**

*n.* a large organ in the body, involved in many metabolic processes, such as detoxification of the organism, and the synthesis of proteins

(1) **liver** disease, (2) fatty **liver**

The patient will undergo **liver** transplant surgery tomorrow.

## **breast**

*n.* either of the two round soft parts of a woman's chest which secrete milk after childbirth

*synonym*: bosom, chest, bust

(1) **breast** cancer, (2) the mountain's **breast**

He grilled the **breast** meat of a chicken.

## **prostate**

*n.* a small gland located near the bladder (= an organ located in the lower abdomen) in males that produces fluid that becomes part of semen

*synonym*: gland, bladder

(1) **prostate** surgery, (2) enlarged **prostate**

Men over the age of 50 are at a higher risk for **prostate** cancer.

## **dictionary**

*n.* a reference book containing an alphabetical list of words and their definitions, as well as information about their origins, usage, and pronunciation

*synonym*: lexicon, glossary, vocabulary

(1) **dictionary** definition, (2) online **dictionary**

I need to purchase a new English **dictionary**.

## **manifestation**

*n.* a visible or tangible form of something, especially a particular sign of a disease or condition

*synonym*: expression, embodiment, presentation

(1) **manifestation** of a deeper problem, (2) **manifestation** of psychological stress

The **manifestation** of his anxiety was evident in his shaking hands.

## **exciting**

*adj.* causing a lot of interest or excitement

*synonym*: exhilarating, stimulating, thrilling

(1) **exciting** football player, (2) **exciting** news

The findings of the experiment were both **exciting** and unexpected.

## government

*n.* the group of people with authority to control a country or state

*synonym*: administration, regime, state

(1) **government** bureaucracy, (2) **government** funding

The federal **government** is planning to increase taxes for the next fiscal year.

## doll

*n.* a child's toy that typically represents a human figure, especially a young girl; an attractive woman; a woman who is subservient or passive

*synonym*: puppet, dolly, toy

(1) plastic **doll**, (2) rag **doll**

The antique **doll** was worth thousands of dollars.

## allocate

*v.* to give or distribute something, such as resources or duties, to someone or something for a particular purpose

*synonym*: apportion, assign, distribute

(1) **allocate** resource, (2) **allocate** budgets

The company **allocated** a portion of its profits to developing new products.

## genome

*n.* the complete set or sequence of genes of a human, animal, plant, or other living things

(1) sequencing of the human **genome**, (2) **genome** analyses

The human **genome** contains approximately three billion chemical base pairs.

## atlas

*n.* a book of maps or charts; a figure in Greek mythology who bore the weight of the world on his shoulders

*synonym*: map, chart, gazetteer

(1) **atlas** map, (2) **atlas** of anatomy

The world **atlas** showed me the locations of all the countries.

## lexicon

*n.* all the words and phrases of a particular language or branch of knowledge, such as nautical or medical

*synonym*: glossary, dictionary, vocabulary

(1) Greek-English **lexicon**, (2) **lexicon** of business phrases

This bilingual **lexicon** was essential for his language improvement.

## absolutely

*adv.* without restriction or limitation; completely or utterly

*synonym*: completely, utterly, definitely

(1) **absolutely** against, (2) **absolutely** obsessed with the girl

I am **absolutely** opposed to his idea because of morality.

## archaic

*adj.* old and no longer used or applicable; of or seeming to belong to an ancient period in history

*synonym*: ancient, antique, old-fashioned

(1) **archaic** humans, (2) seem somewhat **archaic**

He deliberately read picture books in an **archaic** way to please the children.

## clinic

*n.* a building or hospital department where people can go for medical care or advice, especially of a particular condition

*synonym*: hospital, infirmary

(1) visit to the veterinary **clinic**, (2) a dental **clinic**

She holds a **clinic** on Tuesday mornings.

## amplify

*v.* to enhance something, particularly sound or brightness

*synonym*: intensify, boost, argument

(1) **amplify** a signal, (2) **amplify** the effect

You might need to **amplify** this point.

## activate

*v.* make something start working, more active or dynamic

*synonym*: mobilize, stimulate, initiate



(1) **activate** a receptor, (2) **activate** a motor

You must **activate** the software with a 16-digit key before you can use it.

## pathogen

*n.* a bacterium, virus, or other microorganism that causes disease

*synonym*: germ, microbe, bacterium

(1) plant **pathogen**, (2) the **pathogen** in the air

mRNA vaccines are approved faster because they do not contain inactivated **pathogens**.

## lesion

*n.* a damaged or abnormal area of tissue in the body, usually caused by injury or disease

*synonym*: injury, wound, damage

(1) muscle **lesion**, (2) brain **lesion**

The doctor examined the **lesion** on the patient's skin to determine if it was cancerous.

## involve

*v.* to include or affect someone or something as a necessary part of something else

*synonym*: implicate, include, engage

(1) **involve** a lot of paperwork, (2) **involve** a high degree of risk

The investigation **involves** several government agencies and is expected to take several months.

## hop

*v.* to jump lightly and quickly on one foot or both feet; to move rapidly from one place to another; to travel using an aircraft, bus, etc.

*synonym*: jump, bounce, skip

(1) **hop** on one foot, (2) **hop** from one place to another

The rabbit **hopped** over the fence.

## medicinal

*adj.* of or relating to the treatment or cure of disease

*synonym*: curative, therapeutic, healing

(1) **medicinal** chemistry, (2) traditional **medicinal**

The **medicinal** properties of this herb have been known to help with various ailments.

## infectious

*adj.* able to be passed quickly from one person, animal, or plant to another, especially through air or water

*synonym* : contagious, epidemic, transmittable

(1) an **infectious** fever, (2) person's smile is **infectious**

Leprosy is an indolent **infectious** disease.

## organism

*n.* a tiny living thing

*synonym* : being, creature

(1) aerobic **organism**, (2) group of **organisms**

A diversified plant species generally enhances beneficial **organism** populations.

## bacteria

*n.* single-celled or noncellular spherical or spiral or rod-shaped organisms that exist in large numbers in the air, water, and soil, and also in living and dead creatures and plants, and are often a cause of disease

*synonym* : microorganism, microbe

(1) pathogenic **bacteria**, (2) harmless **bacteria**

**Bacteria** prevalent in hospitals are often resistant to antibiotics.

## antibiotic

*n.* a substance or drug that kills or slows down the growth of bacteria

*synonym* : antimicrobial, chemotherapeutic, germicide

(1) **antibiotic** resistance, (2) **antibiotic** allergy

He has been prescribed an **antibiotic** to treat his infection.

## exposed

*adj.* having no protection or shield from something, such as bad weather, attack, or criticism

*synonym* : endangered, revealed, disclosed

(1) **exposed** to radiation, (2) an **exposed** rock

Tech companies often employ **exposed** ducts and other materials in their office interiors.

## severity

*n.* the quality or condition of being severe, strict, or harsh  
*synonym*: harshness, rigidity, austerity

(1) the **severity** of cold, (2) high **severity**

The **severity** of the drought was a major concern for farmers.

## vaccine

*n.* a substance that is put into the body and protects them from disease by causing them to produce antibodies (= proteins that attack harmful bacteria, viruses, etc.)

*synonym*: vaccinum

(1) development of **vaccines**, (2) an oral **vaccine**

The mRNA **vaccine** was approved in less than a year because it did not contain the fragments of the target virus.

## brain

*n.* the organ inside the head that is responsible for one's movement, thought, memory, and feeling

*synonym*: intellect, mind, encephalon

(1) basic **brain** function, (2) permanent **brain** damage

X-rays revealed a small tumor in his **brain**.

## ovary

*n.* either of the pair of organs in the female reproductive system that produces eggs; (of a plant) the organ that bears the ovules of a flower

(1) **ovary** atrophy, (2) salted **ovary** of walleye pollack

They found **ovary** cancer in an early stage.

## lung

*n.* either of the two organs in the chest that people and some animals use for breathing

(1) **lung** capacity, (2) do **lung** transplantation

He has terminal **lung** cancer.

## proteome

*n.* the entire complement of proteins that can be expressed by a genome, cell, tissue, or organism, including all of its functional forms and modifications

(1) bacterial **proteome**, (2) **proteome** database

Scientists are studying the human **proteome** to understand better how proteins work in the body.

## classify

*v.* to categorize or group something according to a system or set of criteria; to assign something to a particular class or category based on its characteristics or properties

*synonym*: categorize, sort, arrange

(1) **classify** images, (2) **classify** emails into folders

I need to **classify** these documents for the upcoming audit.

## distinction

*n.* a difference or contrast between similar things or people

*synonym*: eminence, noteworthiness, excellence

(1) important **distinction**, (2) draw a **distinction**

I can't see any **distinction** between these two concepts.

## hell

*n.* the place thought to be where bad people go and are punished after death, often depicted as being located beneath the earth; an extraordinarily unpleasant or difficult place

*synonym*: inferno, agony, misery

(1) run like **hell**, (2) **hell** broke loose

The battlefield became **hell** on earth.

## enormous

*adj.* extremely large or great

*synonym*: huge, giant, gigantic

(1) **enormous** amount, (2) **enormous** potential

Shakespeare's output of poetry was **enormous**.

## nation

*n.* a large organized community of people living in a particular country or region and having a particular culture

*synonym*: country, state, sovereign entity

(1) **nation-state**, (2) a seafaring **nation**

The **nation** of Japan is known for its unique culture and advanced technology.

## institute

*n.* an organization that has a specific purpose, particularly one dealing with science, education, or a particular profession; (verb) to initiate, introduce, or establish

something

*synonym*: academy, university, college

(1) **institute** a lawsuit, (2) research **institutes**

This region has many **institutes** offering higher education.

## mutation

*n.* the way in which genes of a person, plant, animal, or other organism change and produce permanent differences

*synonym*: metamorphosis, transformation, alteration

(1) **mutation** of DNA, (2) hereditary **mutation**

Radiation often promotes genetic **mutations** in plants and animals.

## colon

*n.* the punctuation mark ( : ) used to introduce a list, summary, explanation, etc., or before reporting what someone has said; a significant part of the large intestine, the final section of the digestive system

(1) **colon** examination, (2) the **colon** at the end of the sentence

Consumption of vegetables may aid in the prevention of **colon** cancer.

## microscope

*n.* an instrument used to see objects or substances that are too small to be seen with the naked eye

*synonym*: lens, magnifier, eyepiece

(1) **microscope** slide, (2) electron **microscope**

I used an optical **microscope** to observe the small organisms in the water sample.

## lymph

*n.* a colorless fluid containing white blood cells that carry waste matter away from body tissue and help to prevent infections from spreading

(1) **lymph** vessel, (2) **lymph** flow

There was a massive swelling of the **lymph** nodes.

## nod

*v.* to lower and raise one's head, sometimes several times, as to show approval, agreement, greeting, or

confirmation

*synonym* : respond, acknowledge, greet

(1) **nod** at each other, (2) **nod** courteously

She **noded** quietly in response to the question.

## invade

*v.* to enter aggressively into another's territory by military force for conquest and occupation

*synonym* : intrude, raid, overrun

(1) **invade** other tissues, (2) **invade** his privacy

I have no intention to **invade** your privacy.

## interaction

*n.* the act of connecting with someone, mainly when working, playing, or spending time with them

*synonym* : dealings, exchange, relations

(1) the **interaction** between man and his environment,

(2) **interaction** among human beings

The **interaction** of the two groups is good for brainstorming.

## environment

*n.* the natural world such as air, water, and land in which humans, animals, and plants live

*synonym* : atmosphere, surroundings, climate

(1) **environment** affairs, (2) chaotic **environment**

Every human is responsible for taking care of the Earth's **environment**.

## abstract

*adj.* based on general ideas, feelings, or qualities and not on any a physical or concrete existence

*synonym* : conceptual, theoretical, ideational

(1) an **abstract** noun, (2) **abstract** science

The invention of the camera triggered the development of **abstract** painting.

## strive

*v.* to try very hard to do, achieve, or obtain something

*synonym* : preserve, endure, persist

(1) **strive** hard to get, (2) **strive** for excellence

They **strived** to make their dream come true.

## optimize

*v.* to make the best or most effective use of something  
*synonym*: advance, amend, improve

(1) **optimize** a process, (2) **optimize** control for cooling  
The essence of economics is to **optimize** the allocation of limited resources.

## scheme

*n.* an organized and often large-scale plan or arrangement for doing something

*synonym*: strategy, blueprint, plan

(1) a pilot **scheme**, (2) draw out a **scheme**

They carefully executed the well-planned **scheme** they had prepared over the years.

## strategy

*n.* a detailed plan of action designed to achieve a long-term or overall goal.

*synonym*: approach, procedure, scenario

(1) military **strategy**, (2) develop a **strategy**

Our plan includes a comprehensive marketing **strategy**.

## association

*n.* a people or groups of people who have joined in a single organization together for a particular purpose; a social or business connection or relationship

*synonym*: affiliation, collaboration, society

(1) word **associations**, (2) a scholarship **association**

His membership in the **association** provided him with numerous benefits.

## hiss

*v.* to make a sound similar to a sharp exhalation or steam escaping under pressure, often expressing disapproval, anger, or fear; to produce a sound that is shrill and prolonged, often resembling the hissing of a snake;  
(noun) a sound or noise made by a person or animal, characterized by a sharp, prolonged "s" sound

*synonym*: whish, sibilate, wheeze

(1) **hiss** warningly at the intruder, (2) the **hiss** of a snake

The cat arched its back and **hissed** at the approaching dog.

## upset

*adj.* causing or marked by anxiety, uneasiness, trouble, or grief; (verb) to make someone anxious, unhappy, or angry

*synonym* : disturbed, bothered, resentful

(1) get **upset**, (2) have an **upset** stomach

He was awfully **upset** by the news.

## fortunate

*adj.* having good luck or lucky

*synonym* : fortuitous, lucky, blessed

(1) **fortunate** situation, (2) less **fortunate** person

He was pretty **fortunate** to pass the exam.

## prevail

*v.* to be common, widespread, or frequent; to be the strongest or most powerful

*synonym* : triumph, prevail over, be victorious

(1) good will **prevail**, (2) **prevail** in a suit

It is common for oppressive governments to **prevail** through violence, using military and police force to control their citizens and suppress dissent.

## transform

*v.* to change in outward structure or looks;

*synonym* : alter, convert, change

(1) **transform** an education system, (2) **transform** heat into power

My father's death **transformed** my life completely.

## complexity

*n.* the state or quality of being complicated or intricate and difficult to understand

*synonym* : intricacy, sophistication, elaboration

(1) cognitive **complexity**, (2) **complexity** theory

The project's **complexity** made it difficult for the team to complete it on time.

## variable

*adj.* likely to change or vary often; (noun) a symbol, like x or y, that is used in mathematical or logical expressions to represent a value that may be changed

*synonym* : erratic, inconsistent, irregular



(1) a **variable** species, (2) a dependent **variable**  
Rainfall in the tropics is highly **variable**.

## measured

*adj.* done with careful consideration or calculated precision; controlled or regulated in manner or speech; deliberate and thoughtful

*synonym*: calculated, deliberate, thought-out

(1) **measured** analysis, (2) **measured** tone of voice  
Her **measured** response to the criticism showed her ability to remain calm and composed under pressure.

## temperature

*n.* the degree of hotness or coldness of a thing or place

*synonym*: climate, warmth, degree

(1) extreme **temperatures**, (2) the atmospheric **temperature**

Cities around the world set records for highest **temperatures** this summer.

## spike

*n.* a narrow, thin, pointed piece of metal, wood, etc.; a sudden large increase in the magnitude or concentration of something

*synonym*: end, spindle, point

(1) to **spike**, (2) to prevent blood sugar **spikes**  
The recent **spike** in grain prices is partly due to the war in the producing countries.

## discrete

*adj.* separate and distinct; not continuous; individually distinguishable

*synonym*: separate, distinct, individual

(1) **discrete** metric space, (2) **discrete** variable  
The company divided the tasks into **discrete** segments to increase efficiency.

## element

*n.* a fundamental or essential part of something

*synonym*: component, feature, essence

(1) new design **elements**, (2) nonmetallic **elements**

Natural selection is an essential **element** in Darwin's theory of evolution.

## function

*n.* the purpose or use of an object, system, or process; a particular activity or operation that is designed to serve a specific purpose; a mathematical concept that describes a relationship between two sets of values, called the input and output sets; (verb) to operate or work in a specific way, or to perform a particular task or purpose

*synonym* : purpose, mapping, job

(1) **function** properly, (2) immune **function**

The brain is an incredibly complex organ that controls the body's **function**.

## device

*n.* a piece of equipment, tool, or technology that serves a particular purpose or function, often mechanical or electronic

*synonym* : gadget, instrument, tool

(1) electronic **device**, (2) tracking **device**

I always carry a backup **device** in case my phone runs out of battery.

## staggering

*adj.* so shocking as to stun or overwhelm

*synonym* : astounding, astonishing, stunning

(1) **staggering** number, (2) a **staggering** defeat

The amount of money required was **staggering**.

## calorie

*n.* unit of heat defined as the quantity of heat required to raise the temperature of 1 gram of water by 1 degree Celsius at atmospheric pressure, used by nutritionists to measure how much energy food will produce

(1) **calorie** calculation, (2) reduce my **calorie** intake

It would be best if you burned off **calories** through vigorous exercise.

## moving

*adj.* causing strong emotions or feelings, especially sadness or sympathy

*synonym* :

emotional, poignant, touching

(1) **moving** experience, (2) **moving** ceremony

His **moving** speech about his struggles with addiction brought tears to the audience's eyes.

## dynamic

*adj.* having a lot of energy, ideas, and enthusiasm, and a strong personality; of or relating to dynamics (= the branch of physics and engineering concerned with the forces that cause motions of bodies)

*synonym* : energetic, active, vital

(1) a **dynamic** market, (2) **dynamic** person

The sprinter has a **dynamic** way of running.

## equivalent

*n.* having the same value, quality, meaning, purpose, etc.

*synonym* : equal, counterpart, match

(1) **equivalent** amounts, (2) **equivalent** in meaning

The European Central Bank is Europe's **equivalent** of the Federal Reserve.

## patient

*n.* a person who is receiving medical treatment, care, or attention from a healthcare professional, such as a doctor, nurse, or therapist; a personal quality or characteristic

*synonym* : client, recipient, subject

(1) **patient** in the hospital, (2) **patient** with weight loss

The doctor carefully examined the **patient's** medical history.

## diet

*n.* the food and drink that a person, animal, or community eats and drinks regularly; a legislative assembly in certain countries, for example, Japan

*synonym* : food, dietary

(1) eat a vegetarian **diet**, (2) **Diet** approval

A balanced **diet** is more important for health than supplements.

## treatment

*n.* the way in which someone deals with or behaves towards someone or something; medical care provided

to a patient for an injury or illness.

*synonym*: remedy, antidote, medicine

(1) first-aid **treatment**, (2) **treatment** by diet

The primary purpose of the **treatment** is pain relief.

## chemotherapy

*n.* the treatment of disease, particularly cancer, using special drugs that have a toxic effect on cancer cells; frequently used in conjunction with other therapies such as surgery and radiation

*synonym*: anticancer treatment, radiotherapy, immunotherapy

(1) **chemotherapy** regimen, (2) **chemotherapy** side effects

Many cancer patients undergo **chemotherapy** as a treatment option.

## improve

*v.* to make or become better

*synonym*: enhance, ameliorate, enrich

(1) **improve** a process, (2) **improve** the test score

We want to **improve** ties between our two countries.

## emergent

*adj.* starting to exist or view, or to become known

*synonym*: coming, appearing, developing

(1) **emergent** repair of an aorta, (2) an **emergent** republic

Extensive areas of **emergent** plants are usually called marsh.

## neuron

*n.* a cell that is specialized to carry information within the brain and between the brain and other parts of the body

*synonym*: nerve cell

(1) excite the **neurons**, (2) **neuron** cell body

Our body transfers information along each **neuron** using an electrical impulse.

## elegant

*adj.* pleasing and graceful in appearance or manner, or showing good taste and refinement

*synonym*: refined, sophisticated, graceful

(1) **elegant** design, (2) write **elegant** sentences

She wore an **elegant** evening gown to the gala.

## intelligence

*n.* the ability to learn, comprehend, or make judgments or conclusions based on reasons

*synonym*: brains, brightness, cleverness

(1) an **intelligence** test, (2) field of artificial **intelligence**

In terms of **intelligence**, he was head and shoulders above his classmates.

## robust

*adj.* sturdy and healthy in form, constitution, or construction; strong enough to withstand or overcome intellectual challenges or adversity

*synonym*: healthy, strong, booming

(1) **robust** growth, (2) a **robust** appetite

The experiment yielded **robust** results that support his theory.

## manipulate

*v.* to influence or control something or someone to your advantage, often in an unfair or dishonest way

*synonym*: control, exploit, abuse

(1) **manipulate** figures, (2) vulnerable to **manipulate**

Please tell me how to **manipulate** this computer.

## component

*n.* one of several parts that combines with others to form something bigger

*synonym*: element, part, factor

(1) key **component**, (2) spare **components** for cars

The researchers try to discover a common **component** in all types of successful organizations.

## journal

*n.* a newspaper or magazine specialized in a specific topic or profession

*synonym*: periodical, diary, bulletin

(1) scientific **journal**, (2) **journal** articles

The physician is reading the **journals** related to medicine

## menopause

*n.* the natural cessation of menstruation and fertility in women, typically occurring between the ages of 45 and 55

*synonym* : climacteric, midlife transition

(1) **menopause** symptoms, (2) before **menopause**

The onset of **menopause** can bring about various physical and emotional changes in women.

## random

*adj.* made, done, or happening without method, conscious decision, or any regular pattern

*synonym* : incidental, arbitrary, unanticipated

(1) a **random** choice, (2) bombs fell at **random**

To find drunk drivers, police conduct **random** tests.

## placebo

*n.* harmless substance, especially given as a pacifier or to the control group in experiments on the efficacy of a drug

(1) **placebo** therapy, (2) patient in the **placebo** group

A double-blind procedure is used to guard against experimenter bias and **placebo** effects.

## acid

*n.* sour; water-soluble chemicals with a sour flavor; any of a variety of generally liquid compounds capable of reacting with and occasionally dissolving other materials

*synonym* : SOUR

(1) an **acid** reaction, (2) good source of essential amino **acids**

During pregnancy, the stomach generates less **acid** than usual.

## osteoporosis

*n.* a medical condition characterized by a loss of bone density or mass, resulting in fragile and porous bones that are at increased risk for fractures

(1) **osteoporosis** treatment, (2) **osteoporosis** prevention

As we age, we become more at risk for **osteoporosis**, a condition that weakens the bones in our bodies.

## recurrence

*n.* the act of happening again or recurring; the return of something, such as a disease or symptom, after a period of abatement or remission

*synonym* : repetition, return, reappearance

(1) **recurrence** rate, (2) **recurrence** after chemotherapy

The **recurrence** of the flu every winter is a common occurrence.

## occurrence

*n.* an event, incident, or happening; something that happens or takes place

*synonym* : event, incident, happening

(1) rare **occurrence**, (2) frequent **occurrence**

The doctor said that the **occurrence** of these symptoms may indicate a more serious condition.

## notion

*n.* a general idea or understanding of something, particularly an abstract or complex concept; a belief or opinion, often one that is not based on solid evidence or facts

*synonym* : idea, concept, belief

(1) **notion** of success, (2) vague **notion**

The **notion** of time travel has long fascinated scientists and fiction writers alike.

## soil

*n.* the top layer of Earth in which plants grow

*synonym* : earth, ground, mud

(1) **soils** retentive of moisture, (2) parched **soil**

**Soil** moisture is another significant component controlling soil respiration.

## seed

*n.* a small, hard, often round, a reproductive structure that contains a plant's genetic material and is capable of growing into a new plant

*synonym* : germ, kernel, ovule

(1) a **seed** coat, (2) **seed** money

He planted the **seed** in the soil and waited for it to sprout.

## marked

*adj.* having a noticeable feature or distinctive quality; easily noticeable or obvious

*synonym* : distinct, prominent, striking

(1) a **marked** difference, (2) **marked** decline

Her **marked** improvement in her grades resulted from her increased focus and effort.

## shocking

*adj.* extremely or surprisingly bad, or causing a strong emotional response such as surprise or disgust

*synonym*: startling, surprising, astounding

(1) **shocking** response, (2) **shocking** revelation

The news of the accident was **shocking** and left many in shock.

## tissue

*n.* an ensemble of similar cells of the animal or plant that together carry out a specific function

*synonym*: structure, texture, anatomy

(1) a facial **tissue**, (2) loss of muscle **tissue**

The researcher separated the nervous **tissue** for microscopic examinations.

## dose

*n.* a quantity or amount of medicine or a drug that is taken or administered at one time, typically measured out in specific units; a similar measure of exposure to a harmful substance or radiation

*synonym*: portion, amount, measure

(1) **dose** adjustment, (2) daily **dose**

She took the recommended **dose** of medication to treat her headache.

## nowhere

*adv.* not in, at, or to any place; not anywhere

(1) **nowhere** else to go, (2) come out of **nowhere**

I've been thinking all day and getting **nowhere**.

## metastatic

*adj.* used to describe cancer cells that have spread from the primary site of origin to other parts of the body through the bloodstream or lymphatic system

*synonym*: spreading, invasive, secondary

(1) **metastatic** disease, (2) **metastatic** spreading



**Metastatic** cancer has spread from its original site to other body parts.

## shrinkage

*n.* the process of becoming smaller or less in size or quantity; the amount by which something has shrunk, contracted, or diminished

*synonym*: loss, decrease, reduction

(1) muscle **shrinkage**, (2) budget **shrinkage**

The **shrinkage** in the wool sweater was caused by washing it in hot water.

## magnitude

*n.* the extent, level, importance, or amount of something

*synonym*: size, extent, level

(1) a star of the first **magnitude**, (2) the **magnitude** of the disaster

The **magnitude** of the earthquake was measured at 7.8 on the Richter scale.

## recur

*v.* to happen repeatedly or occur again from time to time; to come back or return to one's mind or awareness

*synonym*: reappear, repeat, come back

(1) **recur** repeatedly, (2) **recur** after appropriate treatment

I always have nightmares that **recur** occasionally and prevent me from getting a good night's sleep.

## continuous

*adj.* occurring or existing without a pause or interruption

*synonym*: ceaseless, regular, repeated

(1) **continuous** improvement, (2) a **continuous** row of warehouses

The heavy snow has been **continuous** since last morning.

## infusion

*n.* a liquid, especially one containing medicine that is introduced into the body through a vein, muscle, or joint; the act of adding such liquid

*synonym*: injection, transfusion, instillation

(1) **infusion** therapy, (2) **infusion** pump

The nurse prepared an **infusion** of pain medication for the patient.

## mechanism

*n.* a part of a machine, or a set of parts that performs a task; a natural or established process that occurs during a specific situation or reaction

*synonym* : means, method, system

(1) the **mechanism** for DNA replication, (2) defense **mechanism**

He discovered unique **mechanisms** for photochemical reactions.

## disrupt

*v.* to prevent or stop something, especially an event, activity, or process, from continuing in the usual way by causing a problem or disturbance

*synonym* : interrupt, disturb, break into

(1) **disrupt** a well-ordered condition, (2) **disrupt** sleep  
I'm so sorry to **disrupt** you when you're pretty busy.

## primary

*adj.* first or highest in rank, order, or importance; most fundamental or essential; pertaining to the initial or introductory stage of something, such as a school year or election cycle

*synonym* : chief, main, fundamental

(1) **primary** school, (2) **primary** education

The **primary** cause of the accident was due to the icy road conditions.

## scary

*adj.* causing fear or fright; frightening; intimidating

*synonym* : terrifying, frightening, alarming

(1) **scary** dream, (2) **scary** story

The horror movie was so **scary** that I couldn't watch it alone.

## slide

*v.* to move or cause to move smoothly along a surface without interruption

*synonym* : glide, drift, drop

(1) **slide** a card across the table, (2) **slide** a glance

If necessary, you can **slide** the front seats forward.

## obesity

*n.* the condition of being significantly overweight, typically defined as having a body mass index (BMI) of 30 or greater.

*synonym* : overweight, corpulence, fattiness

(1) **obesity-related** diseases, (2) suffer from **obesity**

The prevalence of **obesity** has increased significantly in recent years.

## numb

*adj.* unable to feel physical sensation and movement; not showing human feeling or sensitivity

*synonym* : dazed, insensitive, emotionless

(1) **numb** with cold, (2) a **numb** mind

My left arm became **numb**.

## population

*n.* the total number of people in a country, region, or location

*synonym* : people, inhabitants, folk

(1) **population** change, (2) labor **population**

In just four years, the **population** has doubled.

## obese

*adj.* excessively overweight, particularly to the point of being a serious health risk; having a body mass index (BMI) of 30 or more

*synonym* : overweight, corpulent, plump

(1) **obese** individuals, (2) **obese** children

The doctor warned him that his **obese** condition put him at risk for numerous health problems.

## markedly

*adv.* significantly or noticeably; in a way that stands out or is distinct; with clear or evident change or difference

*synonym* : significantly, noticeably, distinctly

(1) improve **markedly**, (2) decline **markedly**

The company's profits have increased **markedly** since implementing the new strategies.

## dramatically

*adv.* in a very impressive manner

*synonym* : greatly, noticeably, suddenly

(1) he confessed **dramatically**, (2) the cabin pressure fell **dramatically**

Life expectancy has grown **dramatically** this century.

## semiconductor

*n.* a material or substance that can conduct electricity under certain conditions but not others, often used in electronic devices

*synonym* : chip, wafer

(1) **semiconductor** industry, (2) **semiconductor** device

The company develops and sells **semiconductor** memory for use in computers and servers.

## magnet

*n.* an object or substance that can attract certain materials, such as iron or steel

*synonym* : magnetite, lodestone, attracting substance

(1) **magnet** attraction, (2) permanent **magnet**

The MRI machine uses **magnets** to produce images of the body's internal organs.

## resolution

*n.* a firm decision or determination to do or not do something; the action of solving a problem, dispute, or conflict; the quality of being resolved or determined; the clarity and sharpness of an image or display

*synonym* : determination, decision, settlement

(1) **resolution** of a conflict, (2) display **resolution**

He made a New Year's **resolution** to exercise more and eat healthier.

## protein

*n.* a molecule made up of a long chain of amino acids, which is essential for the structure and function of the body's tissues

(1) stress **protein**, (2) **protein** synthesis

The body needs a certain amount of **protein** to build and repair tissues.

- dot** *n.* a very small circular mark, especially one that is printed  
*synonym*: drop, dab, fleck  
(1) connecting the **dots**, (2) **dot** blot method  
The wallpaper had a pattern of pink **dots** on a white surface.
- neutron** *n.* a subatomic particle with no electric charge that is present in all atomic nuclei except those of ordinary hydrogen  
(1) **neutron** acceleration, (2) the antiparticle of a **neutron**  
A **neutron** star is incredibly dense and has a strong gravitational pull.
- applied** *adj.* of or relating to a subject of study, especially a science, that is used in a practical way  
*synonym*: practical, practiced, used  
(1) **applied** research, (2) **applied** physics  
Military technology eventually became the foundation for **applied** technology that supported people's lives.
- differ** *v.* to be not like someone or something in some way  
*synonym*: vary, diverge, disagree  
(1) **differ** from the majority, (2) **differ** according to species  
The two products **differed** in their quality and price.
- recurrent** *adj.* occurring again, repeatedly, or frequently; returning  
*synonym*: continual, repeated, frequent  
(1) **recurrent** problem, (2) **recurrent** miscarriage  
The patient has been experiencing **recurrent** headaches for weeks.
- cross-section** *n.* a two-dimensional representation of a slice or portion of a three-dimensional object or structure, showing the internal arrangement and relationship of its parts; a sample or subset of a larger population or entity that allows insight into its characteristics or behavior  
*synonym*: section, segment, slice  
(1) **cross-section** diagram, (2) **cross-section** view

The **cross-section** of the tree trunk showed its growth rings.

## tumor

*n.* a mass of diseased tissue that forms when cells in the body divide and grow in an uncontrolled way

*synonym*: neoplasm, mass, lump

(1) **tumor** growth, (2) **tumor** at remote sites

The patient was diagnosed with a **tumor** in her lung.

## untreated

*adj.* not given medical care or treatment; not subjected to chemical or physical treatment

*synonym*: raw, unprocessed, coarse

(1) an **untreated** disease, (2) dispose of **untreated** formalin solution

Heat stroke is the result of **untreated** heat exhaustion.

## pathway

*n.* a track that constitutes or serves as a path; an approach or a way of doing something

*synonym*: route, footpath, trail

(1) **pathway** to understanding, (2) cellular signaling

### pathways

When the first molecule in the **pathway** receives a signal, it activates other molecules.

## passee

*adj.* no longer fashionable or current; outdated; considered to be old-fashioned or out of date

*synonym*: outdated, old-fashioned, antique

(1) **passee** entertainment, (2) **passee** trend

Bell-bottom jeans, once considered **passee** fashion, have made a surprising comeback in recent years.

## predominate

*v.* to be the most powerful, important, or frequent; to be more common or prevalent than others

*synonym*: reign, prevail, rule

(1) **predominate** in the army, (2) **predominate** religion

In this particular field, his work **predominated** over all others.

## acne

*n.* a skin condition that causes pimples, blackheads, and other blemishes on the face, chest, and back

*synonym* : pimple, zit, spot

(1) **acne** breakout, (2) painful **acne**

Stress can contribute to **acne** development on the skin.

## pivotal

*adj.* relating to or acting as a pivot or central point; crucial or essential to the success or outcome of something

*synonym* : crucial, essential, important

(1) **pivotal** moment, (2) **pivotal** role

The CEO's decision was **pivotal** in the success of the company's expansion plans.

## phase

*n.* any stage in a series of events, change, or development

*synonym* : degree, stage, step

(1) enter on the last **phase**, (2) two- **phase** structure

The era of the industrial revolution was a crucial **phase** of history.

## refuse

*v.* to show that one is not willing to do or accept something

*synonym* : turn down, deny, decline

(1) **refuse** a request, (2) **refuse** the company

My initial reaction was to **refuse**.

## dramatic

*adj.* very sudden, very excellent, or full of action and excitement

*synonym* : striking, theatrical, breathtaking

(1) make **dramatic** changes, (2) a **dramatic** rescue at sea

The statement had a **dramatic** impact on house prices.

## editorial

*adj.* relating to the expression of opinions or interpretations in the media

*synonym* : comment, opinion, critique

(1) gain **editorial** help, (2) an **editorial** article

The newspaper published an **editorial** on the current state of the economy.

## approve

*v.* to think that someone or something is favorable, acceptable, or appropriate; to officially accept a plan, request, etc.

*synonym* : accept, authorize, agree

(1) **approve** a measures, (2) unanimously **approve** a resolution

My boss wouldn't **approve** of the plan.

## amazing

*adj.* extremely surprising, especially in a way that you like or admire

*synonym* : exceptional, extraordinary, wonderful

(1) **amazing** advances, (2) the most **amazing** feeling

The golfer recorded an **amazing** distance.

## ethical

*adj.* of or relating to principles about what is right and wrong, or the branch of knowledge dealing with these

*synonym* : honorable, moral, virtuous

(1) an **ethical** doctrine, (2) shoulder **ethical** responsibility

The president must have the highest **ethical** standards.

## approval

*n.* the belief that someone or something is good or acceptable

*synonym* : acceptance, endorsement, permission

(1) a written **approval**, (2) express my **approval**

This project took a lot of time to get the president's **approval**.

## respondent

*n.* a person who answers questions in a survey or research study, or someone who responds to a complaint or accusation

*synonym* : reply, answer, feedback

(1) middle-aged **respondent**, (2) interview **respondent**

The **respondent** provided detailed feedback on the survey they completed.

## shrink

*v.* to become smaller, or to make something smaller in size or amount

*synonym* : decrease, diminish, shy away



(1) **shrink** the tumor, (2) **shrink** with fear  
This shirt will **shrink** in the wash.

## survival

*n.* the state of continuing to exist or live, frequently in the face of difficulty or danger

*synonym* : endurance, continuity

(1) **survival** ability, (2) **survival** food

He evaluated his chances for **survival** rather pessimistically.

## outcome

*n.* the result or effect of an action, event, etc.

*synonym* : result, consequence, effect

(1) improved student **outcomes**, (2) a desirable **outcome**

They awaited news of the **outcome** of the election.

## significance

*n.* the importance or value attached to something; the quality of being significant or noteworthy

*synonym* : importance, value, worth

(1) **significance** level, (2) mystical **significance**

The **significance** of his discovery cannot be overstated.

## ultimate

*adj.* furthest or highest in degree or order

*synonym* : highest, maximum, foremost

(1) the **ultimate** goal in life, (2) the **ultimate** luxury

Management must take **ultimate** responsibility for the accident.

## unfortunate

*adj.* having bad luck or fortune; unlucky

*synonym* : unlucky, pitiful, wretched

(1) an **unfortunate** orphan, (2) an **unfortunate** situation

The **unfortunate** accident caused many injuries and some fatalities.

## abundant

*adj.* present in great quantity

*synonym* : ample, plentiful, generative

(1) live an **abundant** life, (2) an **abundant** supply of water

The country has **abundant** oil and natural gas resources.

## span

*n.* the entire length of something, such as time or space from beginning to end; the amount of space that something covers

*synonym* : interval, period, length

(1) the **span** of a bird's wings, (2) the average life **span**  
He slightly modified the **span** of training because it was just before a match.

## engineer

*n.* a person whose job is designing, building, or maintaining something such as machines, structures, or software

*synonym* : architect, creator, builder

(1) a civil **engineer**, (2) **engineer** shortage  
The **engineer** will repair my telephone tomorrow morning.

## principle

*n.* a fundamental law or truth that explains or controls how something happens or works

*synonym* : rule, creed, code

(1) **principle** of treatment, (2) **principle** in business  
Efficiency isn't an essential **principle** here; fairness is.

## software

*n.* a set of computer programs and associated documentation and data for doing particular computational jobs

*synonym* : program, system, operating system

(1) **software** architect, (2) copyrighted **software**  
The company specializes in both hardware and **software**.

## spectrum

*n.* an ordered array of colors into which a light beam can be split

*synonym* : range, scale, spread

(1) a broad **spectrum** of opinion, (2) infrared **spectrum**  
This device displayed the speech **spectrum** spectrographically.

## discipline

*n.* the practice of training people to obey rules or a code of behavior, using and punishments if these are broken; a region of activity, knowledge, or influence

*synonym* : training, restraint, field

(1) break **discipline**, (2) rigid **discipline**

He quickly learned the military **discipline**.

## collaboration

*n.* the act or situation of working together to create or produce something

*synonym* : affiliation, alliance, coalition

(1) **collaboration** between companies, (2) **collaboration** platform

The partnership program requires a mutual **collaboration** between both agencies.

## announce

*v.* to make something known or officially inform people about something

*synonym* : disclose, declare, broadcast

(1) **announce** candidacy, (2) **announce** the award winners

The third season of the anime show has been **announced**.

## oncology

*n.* the branch of medicine that deals with the study and treatment of tumors, especially malignancies

*synonym* : cancer treatment, study of tumors

(1) **oncology** center, (2) modern **oncology** treatment

The pharmaceutical company unveiled its latest breakthrough drug for the **oncology** market.

## physicist

*n.* a scientist who specializes in the field of physics

(1) talented **physicist**, (2) theoretical **physicist**

Einstein was an outstanding and famous **physicist** of the 20th century.

## mathematics

*n.* the science dealing with the logic of quantities, shapes, spaces, and arrangement

*synonym* : arithmetic, calculation, calculus

(1) a good grounding in **mathematics**, (2) **mathematics** competition

He has a flair for **mathematics**.

## attach

v. to fasten, join, or connect one thing to another

*synonym*: fix, fasten, bind

(1) **attach** firmly, (2) **attach** a file to an e-mail

He does not **attach** importance to these rumors.

## spray

n. a fine mist of liquid that is dispersed into the air; flower arrangement consisting of a single branch or shoot bearing flowers and foliage

*synonym*: mist, aerosol, atomizer

(1) a **spray** of mist, (2) an insect **spray**

The artist used a **spray** paint can to create a graffiti mural on the wall.

## spin

v. to cause something to rotate rapidly; to cause someone to feel dizzy or disoriented

*synonym*: rotate, twirl, swirl

(1) **spin** a top, (2) **spin** thread out of cotton

The tornado is **spinning** across the countryside, destroying everything in its path.

## detect

v. to find or recognize something, especially something difficult to see, hear, etc.

*synonym*: catch, observe, notice

(1) **detect** a bad event, (2) **detect** smuggling across borders

The security camera has **detected** four intruders.

## dependent

adj. relying on someone or something else for support or aid

*synonym*: reliant, subject, subordinate

(1) dose- **dependent** induction, (2) a **dependent** person

The small island nation is heavily **dependent** on tourism as its main source of income.

## accurate

adj. correct and exact in all details

*synonym*: exact, precise, proper

(1) provide **accurate** information, (2) **accurate** measurements

The official transcript contains **accurate** academic records.

## chart

*n.* a visual display of information such as a diagram, lists of figures, etc.; a map designed to assist navigation by air or sea

*synonym* : diagram, graph, map

(1) a weather **chart**, (2) a statistical **chart**

This pie **chart** represents our market share.

## byte

*n.* a unit of digital information that consists of 8 bits, typically used to represent a single character of text or a small amount of computer code

(1) **byte** code, (2) **byte** array

The computer hard drive had plenty of storage space but was running low on available **bytes**.

## electronics

*n.* the branch of physics and technology that deals with the behavior and control of electrons and the use of electronic devices and systems

*synonym* : technology, gadgets, circuitry

(1) **electronics** industry, (2) **electronics** store

The company specializes in manufacturing and selling cutting-edge **electronics**.

## aspect

*n.* one part or feature of a situation, problem, subject, etc.

*synonym* : characteristic, element, factor

(1) nontechnical **aspects** of the job, (2) **aspects** of social, political, and economic life

His professional experience includes all **aspects** of media production.

## encounter

*v.* to face something, particularly something unpleasant or difficult, while attempting to do something else; to meet, especially unexpectedly

*synonym* : meet, run into, come across

(1) **encounter** a crisis, (2) **encounter** a storm

I'm prepared to **encounter** challenges throughout this

adventure.

## conclude

*v.* to come to an end or close; to reach a judgment or opinion by reasoning

*synonym*: complete, finish, decide

(1) **conclude** a meeting, (2) **conclude** that he is healthy  
We **concluded** a cease-fire.

## radical

*adj.* relating to the essential aspects of anything; far beyond the norm, mainly used of opinions and actions

*synonym*: extreme, revolutionary

(1) a **radical** flaw in the plan, (2) a **radical** cure

The government established by the coup was more **radical** than before.

## implore

*v.* to beg earnestly or desperately; to plead urgently for assistance or mercy

*synonym*: beg, beseech, plead

(1) **implore** forgiveness, (2) **implore** assistance

I **implore** you to reconsider your decision before it's too late.

## grove

*n.* a small group of trees growing closely together

*synonym*: copse, thicket, underbrush

(1) a bamboo **grove**, (2) citrus **grove**

They walked through the **grove** of trees and admired the natural beauty.

## steppe

*n.* a vast, wide, and usually treeless plain, typically found in semi-arid or arid regions, characterized by fertile soil and grassy vegetation, often used for grazing livestock; an expansive and open grassland ecosystem found in Eurasia and North America

*synonym*: prairie, savannah, grassland

(1) **steppe** climate, (2) barren **steppe**

The nomadic tribes set up camp on the vast **steppe**.

## chairperson

*n.* the officer who presides over organization meetings  
*synonym* : director, head, leader

(1) vice **chairperson**, (2) the meeting elected a **chairperson**

The **chairperson** has the authority to approve or deny any request.

## mentor

*n.* a person who helps and advises a younger or less experienced person over time, usually at work or school  
*synonym* : adviser, coach, tutor

(1) **mentor** for life, (2) fashion **mentor**

As a **mentor**, he helped me realize my career.

## disbeliever

*n.* a person who does not believe in something, such as a religion or idea

*synonym* : non-believer, skeptic, doubter

(1) persuade a **disbeliever**, (2) stubborn **disbeliever**

Despite the evidence, she remained a **disbeliever** in the theory of evolution.

## broad

*adj.* very wide; general

*synonym* : wide, expansive, comprehensive

(1) attract **broad** attention, (2) a **broad** mind

He accumulated wealth across a **broad** spectrum of assets.

## platform

*n.* the raised flat space close to the track at a train station where passengers get on or off the train; (technology) a computational or digital environment in which a piece of software is executed

*synonym* : stage, podium, forum

(1) an arrival **platform**, (2) a digital **platform** for enterprise

The speaker mounted the **platform** and started to speak.

## Session 2: Spelling

1. a facial ti\_\_\_e  
*n.* an ensemble of similar cells of the animal or plant that together carry out a specific function
2. h\_\_l broke loose  
*n.* the place thought to be where bad people go and are punished after death, often depicted as being located beneath the earth; an extraordinarily unpleasant or difficult place
3. met\_\_\_\_\_ic spreading  
*adj.* used to describe cancer cells that have spread from the primary site of origin to other parts of the body through the bloodstream or lymphatic system
4. de\_\_y the new project  
*v.* to cause something to happen at a later time than originally intended or expected
5. the most am\_\_\_\_\_g feeling  
*adj.* extremely surprising, especially in a way that you like or admire
6. middle-aged res\_\_\_\_\_nt  
*n.* a person who answers questions in a survey or research study, or someone who responds to a complaint or accusation
7. the antiparticle of a ne\_\_\_\_\_n  
*n.* a subatomic particle with no electric charge that is present in all atomic nuclei except those of ordinary hydrogen
8. as\_\_\_\_\_d everyone  
*v.* to surprise or shock someone with wonder very much

ANSWERS: 1. tissue, 2. hell, 3. metastatic, 4. delay, 5. amazing, 6. respondent, 7. neutron, 8. astound



9. d\_\_e adjustment *n.* a quantity or amount of medicine or a drug that is taken or administered at one time, typically measured out in specific units; a similar measure of exposure to a harmful substance or radiation
10. a statistical ch\_\_t *n.* a visual display of information such as a diagram, lists of figures, etc.; a map designed to assist navigation by air or sea
11. immune fu\_\_\_\_on *n.* the purpose or use of an object, system, or process; a particular activity or operation that is designed to serve a specific purpose; a mathematical concept that describes a relationship between two sets of values, called the input and output sets; (verb) to operate or work in a specific way, or to perform a particular task or purpose
12. con\_\_\_\_us improvement *adj.* occurring or existing without a pause or interruption
13. the end of chr\_\_\_\_me *n.* a long and string-like DNA molecule containing the part or all of the genetic material of an organism that controls what an animal or plant is like
14. im\_\_\_\_e assistance *v.* to beg earnestly or desperately; to plead urgently for assistance or mercy
15. equ\_\_\_\_nt amounts *n.* having the same value, quality, meaning, purpose, etc.
16. cl\_\_\_\_fy images *v.* to categorize or group something according to a system or set of criteria; to assign something to a particular class or category based on its characteristics or properties

ANSWERS: 9. dose, 10. chart, 11. function, 12. continuous, 13. chromosome, 14. implore, 15. equivalent, 16. classify

17. attract br\_\_d attention *adj.* very wide; general
18. ad\_\_\_\_e the technology *v.* to go or move forward; to develop in a positive way
19. connecting the d\_ts *n.* a very small circular mark, especially one that is printed
20. het\_\_\_\_\_ous mixture *adj.* diverse in character or content; composed of parts of different kinds; not uniform
21. field of gene th\_\_\_\_y *n.* the act of caring for someone through medication, remedial training, etc.
22. ac\_\_\_\_te a motor *v.* make something start working, more active or dynamic
23. tr\_\_\_\_\_rm heat into power *v.* to change in outward structure or looks;
24. im\_\_\_\_e the test score *v.* to make or become better
25. ne\_\_\_e prick *n.* a thin, pointed object typically used for sewing or medical purposes; a metal or plastic instrument used for administering injections or drawing blood
26. equ\_\_\_\_\_nt in meaning *n.* having the same value, quality, meaning, purpose, etc.
27. official sta\_\_\_\_\_cs *n.* the discipline that concerns the collection, organization, analysis, interpretation, and presentation of data
28. gov\_\_\_\_\_nt funding *n.* the group of people with authority to control a country or state
29. dy\_\_\_\_c person *adj.* having a lot of energy, ideas, and enthusiasm, and a strong personality; of or relating to dynamics (= the branch of physics and engineering concerned with the forces that cause motions of bodies)

ANSWERS: 17. broad, 18. advance, 19. dot, 20. heterogeneous, 21. therapy, 22. activate, 23. transform, 24. improve, 25. needle, 26. equivalent, 27. statistics, 28. government, 29. dynamic

30. en\_\_\_\_us amount *adj.* extremely large or great
31. exp\_\_\_\_\_tal data *adj.* relating to or based on new ideas, forms, methods, etc. that have not been tried before, usually to find out what effect they have
32. online dic\_\_\_\_\_ry *n.* a reference book containing an alphabetical list of words and their definitions, as well as information about their origins, usage, and pronunciation
33. display res\_\_\_\_\_on *n.* a firm decision or determination to do or not do something; the action of solving a problem, dispute, or conflict; the quality of being resolved or determined; the clarity and sharpness of an image or display
34. fire st\_\_k *v.* to put something, usually a sharp object, into something; to restrict yourself to doing or using one certain thing and not change; (noun) a thin piece of wood or other material
35. electron mic\_\_\_\_\_pe *n.* an instrument used to see objects or substances that are too small to be seen with the naked eye
36. jo\_\_\_\_\_l articles *n.* a newspaper or magazine specialized in a specific topic or profession
37. fu\_\_\_\_\_on properly *n.* the purpose or use of an object, system, or process; a particular activity or operation that is designed to serve a specific purpose; a mathematical concept that describes a relationship between two sets of values, called the input and output sets; (verb) to operate or work in a specific way, or to perform a particular task or purpose

ANSWERS: 30. enormous, 31. experimental, 32. dictionary, 33. resolution, 34. stick, 35. microscope, 36. journal, 37. function

38. patient in the pl\_\_\_\_\_o group      *n.* harmless substance, especially given as a pacifier or to the control group in experiments on the efficacy of a drug
39. ex\_\_\_\_\_ng news      *adj.* causing a lot of interest or excitement
40. labor pop\_\_\_\_\_on      *n.* the total number of people in a country, region, or location
41. group of or\_\_\_\_\_sms      *n.* a tiny living thing
42. de\_\_y a flight three hours      *v.* to cause something to happen at a later time than originally intended or expected
43. visit to the veterinary cl\_\_\_\_c      *n.* a building or hospital department where people can go for medical care or advice, especially of a particular condition
44. an agg\_\_\_\_\_ve war      *adj.* behaving in an angry, energetic, or threatening way towards another person; tending to spread quickly
45. aerobic or\_\_\_\_\_sm      *n.* a tiny living thing
46. a sp\_\_y of mist      *n.* a fine mist of liquid that is dispersed into the air; flower arrangement consisting of a single branch or shoot bearing flowers and foliage
47. em\_\_\_\_\_nt repair of an aorta      *adj.* starting to exist or view, or to become known
48. sem\_\_\_\_\_tor industry      *n.* a material or substance that can conduct electricity under certain conditions but not others, often used in electronic devices

ANSWERS: 38. placebo, 39. exciting, 40. population, 41. organism, 42. delay, 43. clinic, 44. aggressive, 45. organism, 46. spray, 47. emergent, 48. semiconductor

49. rigid dis\_\_\_\_\_ne      *n.* the practice of training people to obey rules or a code of behavior, using and punishments if these are broken; a region of activity, knowledge, or influence
50. enlarged pr\_\_\_\_\_te      *n.* a small gland located near the bladder (= an organ located in the lower abdomen) in males that produces fluid that becomes part of semen
51. de\_\_\_\_ts of character      *n.* an imperfection, shortcoming, or lack of something or someone
52. mo\_\_\_\_\_ar structure      *adj.* of or relating to molecules (= a group of two or more atoms held together by attractive forces known as chemical bonds)
53. an insect sp\_\_y      *n.* a fine mist of liquid that is dispersed into the air; flower arrangement consisting of a single branch or shoot bearing flowers and foliage
54. field of artificial int\_\_\_\_\_nce      *n.* the ability to learn, comprehend, or make judgments or conclusions based on reasons
55. pr\_\_\_\_\_y school      *adj.* first or highest in rank, order, or importance; most fundamental or essential; pertaining to the initial or introductory stage of something, such as a school year or election cycle
56. as\_\_\_\_ts of social, political, and economic life      *n.* one part or feature of a situation, problem, subject, etc.

ANSWERS: 49. discipline, 50. prostate, 51. defect, 52. molecular, 53. spray, 54. intelligence, 55. primary, 56. aspect

57. harmless ba\_\_\_\_ia *n.* single-celled or noncellular spherical or spiral or rod-shaped organisms that exist in large numbers in the air, water, and soil, and also in living and dead creatures and plants, and are often a cause of disease
58. participate in cl\_\_\_\_al trials *adj.* of or relating to the examination and treatment of patients rather than theoretical or laboratory studies
59. in\_\_\_\_e a high degree of risk *v.* to include or affect someone or something as a necessary part of something else
60. acute le\_\_\_\_ia *n.* a type of cancer that affects the blood and bone marrow, in which abnormal white blood cells are produced and grow uncontrollably
61. mu\_\_\_\_on of DNA *n.* the way in which genes of a person, plant, animal, or other organism change and produce permanent differences
62. cellular signaling pa\_\_\_\_ys *n.* a track that constitutes or serves as a path; an approach or a way of doing something
63. a glass t\_\_e *n.* a cylindrical container of metal, plastic, glass, etc., usually sealed and used as a means of preserving food or chemicals; a hollow cylindrical shape
64. on\_\_\_\_gy center *n.* the branch of medicine that deals with the study and treatment of tumors, especially malignancies
65. a s\_\_d coat *n.* a small, hard, often round, a reproductive structure that contains a plant's genetic material and is capable of growing into a new plant

ANSWERS: 57. bacteria, 58. clinical, 59. involve, 60. leukemia, 61. mutation, 62. pathway, 63. tube, 64. oncology, 65. seed

66. met\_\_\_\_\_ic disease *adj.* used to describe cancer cells that have spread from the primary site of origin to other parts of the body through the bloodstream or lymphatic system
67. sl\_\_e a card across the table *v.* to move or cause to move smoothly along a surface without interruption
68. al\_\_\_\_\_te resource *v.* to give or distribute something, such as resources or duties, to someone or something for a particular purpose
69. clinical pa\_\_\_\_\_gy *n.* the study of the nature and cause of diseases and disorders; the medical specialty that deals with the diagnosis and treatment of diseases and disorders
70. fatty li\_\_r *n.* a large organ in the body, involved in many metabolic processes, such as detoxification of the organism, and the synthesis of proteins
71. ca\_\_\_\_\_ng disease *adj.* attracting attention or interest; likely to be noticed or remembered; appealing or compelling
72. so\_\_r discussion *adj.* not drunk or affected by alcohol; dignified in manner or character and committed to keeping promises
73. s\_\_n thread out of cotton *v.* to cause something to rotate rapidly; to cause someone to feel dizzy or disoriented
74. ma\_\_\_\_\_d decline *adj.* having a noticeable feature or distinctive quality; easily noticeable or obvious

ANSWERS: 66. metastatic, 67. slide, 68. allocate, 69. pathology, 70. liver, 71. catching, 72. sober, 73. spin, 74. marked





85. bit of good fo\_\_\_\_e *n.* a large amount of money or property; chance or luck as an unknown and arbitrary force affecting human affairs
86. plastic d\_\_l *n.* a child's toy that typically represents a human figure, especially a young girl; an attractive woman; a woman who is subservient or passive
87. neurotic sy\_\_\_\_ms *n.* any sensation or change in body or mind that is experienced by a patient and is associated with a particular disease
88. hereditary mu\_\_\_\_on *n.* the way in which genes of a person, plant, animal, or other organism change and produce permanent differences
89. di\_\_\_r from the majority *v.* to be not like someone or something in some way
90. mo\_\_\_\_g experience *adj.* causing strong emotions or feelings, especially sadness or sympathy
91. cl\_\_f diving *n.* a steep rock face, especially one at the edge of the sea or a river
92. an ed\_\_\_\_\_al article *adj.* relating to the expression of opinions or interpretations in the media
93. pi\_\_\_\_\_l role *adj.* relating to or acting as a pivot or central point; crucial or essential to the success or outcome of something
94. a\_\_e breakout *n.* a skin condition that causes pimples, blackheads, and other blemishes on the face, chest, and back
95. ant\_\_\_\_\_ic allergy *n.* a substance or drug that kills or slows down the growth of bacteria

ANSWERS: 85. fortune, 86. doll, 87. symptom, 88. mutation, 89. differ, 90. moving, 91. cliff, 92. editorial, 93. pivotal, 94. acne, 95. antibiotic

96. in\_\_\_\_\_e a lot of paperwork  
*v.* to include or affect someone or something as a necessary part of something else
97. less fo\_\_\_\_\_te person  
*adj.* having good luck or lucky
98. st\_\_\_e hard to get  
*v.* to try very hard to do, achieve, or obtain something
99. make dr\_\_\_\_\_ic changes  
*adj.* very sudden, very excellent, or full of action and excitement
100. a star of the first ma\_\_\_\_\_de  
*n.* the extent, level, importance, or amount of something
101. dic\_\_\_\_\_ry definition  
*n.* a reference book containing an alphabetical list of words and their definitions, as well as information about their origins, usage, and pronunciation
102. word ass\_\_\_\_\_ons  
*n.* a people or groups of people who have joined in a single organization together for a particular purpose; a social or business connection or relationship
103. no\_\_\_n of success  
*n.* a general idea or understanding of something, particularly an abstract or complex concept; a belief or opinion, often one that is not based on solid evidence or facts
104. ph\_\_\_\_\_cy chain  
*n.* a place where medicines are prepared and dispensed; a drugstore or chemist's
105. ca\_\_\_r research  
*n.* abnormal growth of cells that can invade and destroy surrounding tissues and organs; a disease characterized by the uncontrolled growth and spread of abnormal cells

ANSWERS: 96. involve, 97. fortunate, 98. strive, 99. dramatic, 100. magnitude, 101. dictionary, 102. association, 103. notion, 104. pharmacy, 105. cancer

106. pr\_\_\_\_\_l in a suit                    *v.*    to be common, widespread, or frequent; to be the strongest or most powerful
107. al\_\_\_\_e to his low origin            *v.*    to suggest or make reference to something indirectly
108. su\_\_\_\_\_al food                    *n.*    the state of continuing to exist or live, frequently in the face of difficulty or danger
109. get up\_\_t                                *adj.* causing or marked by anxiety, uneasiness, trouble, or grief; (verb) to make someone anxious, unhappy, or angry
110. di\_\_\_\_\_e control                    *n.*    a disorder or illness that affects the body or mind, often characterized by specific symptoms or abnormal functioning of organs or systems
111. mo\_\_\_\_\_ar biology                *adj.* of or relating to molecules (= a group of two or more atoms held together by attractive forces known as chemical bonds)
112. rec\_\_\_\_\_on award                *n.*    the action or process of recognizing or being recognized, especially by remembering; an agreement that something is true or legal
113. a desirable ou\_\_\_\_\_e                *n.*    the result or effect of an action, event, etc.
114. suffer from ob\_\_\_\_\_y                *n.*    the condition of being significantly overweight, typically defined as having a body mass index (BMI) of 30 or greater.

ANSWERS: 106. prevail, 107. allude, 108. survival, 109. upset, 110. disease, 111. molecular, 112. recognition, 113. outcome, 114. obesity

115. accounting f\_\_m *adj.* resolute or unwavering in decision-making or action; strong or secure in structure, make, or composition; reliable, trustworthy, or dependable; (noun) a business or company
116. the h\_\_s of a snake *v.* to make a sound similar to a sharp exhalation or steam escaping under pressure, often expressing disapproval, anger, or fear; to produce a sound that is shrill and prolonged, often resembling the hissing of a snake; (noun) a sound or noise made by a person or animal, characterized by a sharp, prolonged "s" sound
117. re\_\_\_e a request *v.* to show that one is not willing to do or accept something
118. copyrighted so\_\_\_\_\_re *n.* a set of computer programs and associated documentation and data for doing particular computational jobs
119. en\_\_\_\_\_er a crisis *v.* to face something, particularly something unpleasant or difficult, while attempting to do something else; to meet, especially unexpectedly
120. car\_\_\_\_\_lar diseases *adj.* of or relating to the heart and blood vessels (= tubes that carry blood around the body)
121. sh\_\_\_k the tumor *v.* to become smaller, or to make something smaller in size or amount
122. cultural n\_\_m *n.* something that is regarded as usual, typical, or standard

ANSWERS: 115. firm, 116. hiss, 117. refuse, 118. software, 119. encounter, 120. cardiovascular, 121. shrink, 122. norm

123. a dy\_\_\_\_c market *adj.* having a lot of energy, ideas, and enthusiasm, and a strong personality; of or relating to dynamics (= the branch of physics and engineering concerned with the forces that cause motions of bodies)
124. good will pr\_\_\_\_l *v.* to be common, widespread, or frequent; to be the strongest or most powerful
125. a silicon su\_\_\_\_te *n.* a substance or layer from which an organism grows and lives and by which an organism is supported; a substance on which an enzyme or ferment act
126. di\_\_\_\_r according to species *v.* to be not like someone or something in some way
127. ca\_\_\_\_e calculation *n.* unit of heat defined as the quantity of heat required to raise the temperature of 1 gram of water by 1 degree Celsius at atmospheric pressure, used by nutritionists to measure how much energy food will produce
128. mye\_\_\_\_us cells *adj.* originating from or relating to the bone marrow or spinal cord, specifically referring to the production or development of bone marrow cells
129. che\_\_\_\_apy regimen *n.* the treatment of disease, particularly cancer, using special drugs that have a toxic effect on cancer cells; frequently used in conjunction with other therapies such as surgery and radiation
130. enter on the last ph\_\_e *n.* any stage in a series of events, change, or development

ANSWERS: 123. dynamic, 124. prevail, 125. substrate, 126. differ, 127. calorie, 128. myelogenous, 129. chemotherapy, 130. phase

131. the se\_\_\_\_\_ty of cold *n.* the quality or condition of being severe, strict, or harsh
132. write el\_\_\_\_\_t sentences *adj.* pleasing and graceful in appearance or manner, or showing good taste and refinement
133. the DNA se\_\_\_\_\_ce *n.* a series of related events, actions, numbers, etc., which have a particular order
134. cell and molecular bi\_\_\_\_\_y *n.* the scientific study of life and the natural processes of living things
135. le\_\_\_\_\_n of business phrases *n.* all the words and phrases of a particular language or branch of knowledge, such as nautical or medical
136. s\_\_t a mouthful of saliva *v.* to eject saliva or other liquid from the mouth
137. in\_\_\_\_\_e other tissues *v.* to enter aggressively into another's territory by military force for conquest and occupation
138. pr\_\_\_\_\_le in business *n.* a fundamental law or truth that explains or controls how something happens or works
139. new design el\_\_\_\_\_ts *n.* a fundamental or essential part of something
140. cl\_\_\_\_\_al surgery *adj.* of or relating to the examination and treatment of patients rather than theoretical or laboratory studies
141. co\_\_\_\_\_er of the university *n.* one of several people who establishes an organization or starts a business
142. permanent ma\_\_\_\_\_t *n.* an object or substance that can attract certain materials, such as iron or steel

ANSWERS: 131. severity, 132. elegant, 133. sequence, 134. biology, 135. lexicon, 136. spit, 137. invade, 138. principle, 139. element, 140. clinical, 141. cofounder, 142. magnet

143. above p\_r performance *n.* a state of being equal to someone or something
144. me\_\_\_\_ed tone of voice *adj.* done with careful consideration or calculated precision; controlled or regulated in manner or speech; deliberate and thoughtful
145. cl\_\_e embryo *n.* a plant or animal whose genetic information is identical to that of a parent organism from which it was created; an unauthorized copy or imitation
146. am\_\_\_\_g advances *adj.* extremely surprising, especially in a way that you like or admire
147. a ge\_\_\_\_c disorder *adj.* of or relating to genes (= parts of the DNA in cells) or the science of genes
148. good source of essential amino  
a\_\_ds *n.* sour; water-soluble chemicals with a sour flavor; any of a variety of generally liquid compounds capable of reacting with and occasionally dissolving other materials
149. f\_\_m grip *adj.* resolute or unwavering in decision-making or action; strong or secure in structure, make, or composition; reliable, trustworthy, or dependable; (noun) a business or company
150. a n\_\_b mind *adj.* unable to feel physical sensation and movement; not showing human feeling or sensitivity
151. ovarian cancer su\_\_\_\_or *n.* a person who remains alive after an event in which others have died

ANSWERS: 143. par, 144. measured, 145. clone, 146. amazing, 147. genetic, 148. acid, 149. firm, 150. numb, 151. survivor

152. a flight of fa\_\_y *v.* to want to do or have something; (noun) something that many people believe but that is false, or that does not exist; imagination or fantasy
153. pr\_\_\_\_te surgery *n.* a small gland located near the bladder (= an organ located in the lower abdomen) in males that produces fluid that becomes part of semen
154. a ma\_\_\_d difference *adj.* having a noticeable feature or distinctive quality; easily noticeable or obvious
155. theoretical ph\_\_\_\_st *n.* a scientist who specializes in the field of physics
156. ind\_\_\_\_al freedom *n.* a single person or thing, as distinct from a group
157. sta\_\_\_\_\_art software *adj.* characterized by the use of the latest and most advanced technology or methods; cutting-edge
158. sl\_\_e a glance *v.* to move or cause to move smoothly along a surface without interruption
159. pr\_\_\_\_y education *adj.* first or highest in rank, order, or importance; most fundamental or essential; pertaining to the initial or introductory stage of something, such as a school year or election cycle
160. online ph\_\_\_\_cy *n.* a place where medicines are prepared and dispensed; a drugstore or chemist's
161. late co\_\_\_\_er *n.* one of several people who establishes an organization or starts a business

ANSWERS: 152. fancy, 153. prostate, 154. marked, 155. physicist, 156. individual, 157. state-of-the-art, 158. slide, 159. primary, 160. pharmacy, 161. cofounder



162. the ma\_\_\_\_\_de of the disaster *n.* the extent, level, importance, or amount of something
163. first-aid tr\_\_\_\_\_nt *n.* the way in which someone deals with or behaves towards someone or something; medical care provided to a patient for an injury or illness.
164. an em\_\_\_\_\_nt republic *adj.* starting to exist or view, or to become known
165. ill fo\_\_\_\_\_e *n.* a large amount of money or property; chance or luck as an unknown and arbitrary force affecting human affairs
166. fa\_\_y a cup of coffee *v.* to want to do or have something; (noun) something that many people believe but that is false, or that does not exist; imagination or fantasy
167. rec\_\_\_\_\_ce rate *n.* the act of happening again or recurring; the return of something, such as a disease or symptom, after a period of abatement or remission
168. im\_\_\_\_\_e a process *v.* to make or become better
169. chi\_\_\_\_\_ing at a later age *n.* the act of giving birth to or bearing a child (or children), often in the context of medical or demographic research or public policy
170. op\_\_\_\_\_ze a process *v.* to make the best or most effective use of something
171. di\_\_\_\_\_te variable *adj.* separate and distinct; not continuous; individually distinguishable
172. an arrival pl\_\_\_\_\_rm *n.* the raised flat space close to the track at a train station where passengers get on or off the train; (technology) a computational or digital environment in which a piece of software is executed

ANSWERS: 162. magnitude, 163. treatment, 164. emergent, 165. fortune, 166. fancy, 167. recurrence, 168. improve, 169. childbearing, 170. optimize, 171. discrete, 172. platform

173. nontechnical as\_\_\_ts of the job *n.* one part or feature of a situation, problem, subject, etc.
174. man\_\_\_\_\_ion of psychological stress *n.* a visible or tangible form of something, especially a particular sign of a disease or condition
175. dose-de\_\_\_\_\_nt induction *adj.* relying on someone or something else for support or aid
176. his conclusion was ob\_\_\_\_\_s *adj.* easy to see, discover or understand
177. pr\_\_\_\_\_y of plants *n.* the descendants or offspring of a person, animal, or plant
178. su\_\_\_\_\_te cell *n.* a substance or layer from which an organism grows and lives and by which an organism is supported; a substance on which an enzyme or ferment act
179. a civil en\_\_\_\_\_er *n.* a person whose job is designing, building, or maintaining something such as machines, structures, or software
180. sh\_\_\_\_\_ng revelation *adj.* extremely or surprisingly bad, or causing a strong emotional response such as surprise or disgust
181. not up to p\_r *n.* a state of being equal to someone or something
182. re\_\_\_e the company *v.* to show that one is not willing to do or accept something
183. persuade a dis\_\_\_\_\_er *n.* a person who does not believe in something, such as a religion or idea
184. chaotic env\_\_\_\_\_nt *n.* the natural world such as air, water, and land in which humans, animals, and plants live

ANSWERS: 173. aspect, 174. manifestation, 175. dependent, 176. obvious, 177. progeny, 178. substrate, 179. engineer, 180. shocking, 181. par, 182. refuse, 183. disbeliever, 184. environment

185. gain ed\_\_\_\_\_al help *adj.* relating to the expression of opinions or interpretations in the media
186. su\_\_\_\_\_al ability *n.* the state of continuing to exist or live, frequently in the face of difficulty or danger
187. a pilot sc\_\_\_\_\_e *n.* an organized and often large-scale plan or arrangement for doing something
188. excite the ne\_\_\_\_\_ns *n.* a cell that is specialized to carry information within the brain and between the brain and other parts of the body
189. the mountain's br\_\_\_\_\_t *n.* either of the two round soft parts of a woman's chest which secrete milk after childbirth
190. pr\_\_\_\_\_n synthesis *n.* a molecule made up of a long chain of amino acids, which is essential for the structure and function of the body's tissues
191. the se\_\_\_\_\_ce of the seasons *n.* a series of related events, actions, numbers, etc., which have a particular order
192. de\_\_\_\_\_t smuggling across borders *v.* to find or recognize something, especially something difficult to see, hear, etc.
193. s\_\_d money *n.* a small, hard, often round, a reproductive structure that contains a plant's genetic material and is capable of growing into a new plant
194. a capillary t\_\_e *n.* a cylindrical container of metal, plastic, glass, etc., usually sealed and used as a means of preserving food or chemicals; a hollow cylindrical shape

ANSWERS: 185. editorial, 186. survival, 187. scheme, 188. neuron, 189. breast, 190. protein, 191. sequence, 192. detect, 193. seed, 194. tube

195. the s\_\_n of a bird's wings *n.* the entire length of something, such as time or space from beginning to end; the amount of space that something covers
196. en\_\_\_\_er shortage *n.* a person whose job is designing, building, or maintaining something such as machines, structures, or software
197. op\_\_\_\_ze control for cooling *v.* to make the best or most effective use of something
198. am\_\_\_\_y a signal *v.* to enhance something, particularly sound or brightness
199. parched s\_\_l *n.* the top layer of Earth in which plants grow
200. tu\_\_r at remote sites *n.* a mass of diseased tissue that forms when cells in the body divide and grow in an uncontrolled way
201. dow\_\_\_\_ted expression *adj.* feeling disheartened, discouraged, or dejected; having a low or depressed spirit or mood
202. in\_\_\_\_te a lawsuit *n.* an organization that has a specific purpose, particularly one dealing with science, education, or a particular profession; (verb) to initiate, introduce, or establish something
203. pop\_\_\_\_on change *n.* the total number of people in a country, region, or location
204. the cabin pressure fell dra\_\_\_\_lly *adv.* in a very impressive manner
205. the rem\_\_\_\_le breadth of knowledge *adj.* worthy of attention because unusual or special

ANSWERS: 195. span, 196. engineer, 197. optimize, 198. amplify, 199. soil, 200. tumor, 201. down-hearted, 202. institute, 203. population, 204. dramatically, 205. remarkable

206. cl\_\_\_\_fy emails into folders      *v.* to categorize or group something according to a system or set of criteria; to assign something to a particular class or category based on its characteristics or properties
207. tr\_\_\_\_\_nt by diet      *n.* the way in which someone deals with or behaves towards someone or something; medical care provided to a patient for an injury or illness.
208. sh\_\_\_\_\_ng response      *adj.* extremely or surprisingly bad, or causing a strong emotional response such as surprise or disgust
209. no\_\_\_\_\_e else to go      *adv.* not in, at, or to any place; not anywhere
210. col\_\_\_\_\_ion platform      *n.* the act or situation of working together to create or produce something
211. at\_\_s map      *n.* a book of maps or charts; a figure in Greek mythology who bore the weight of the world on his shoulders
212. muscle sh\_\_\_\_\_ge      *n.* the process of becoming smaller or less in size or quantity; the amount by which something has shrunk, contracted, or diminished
213. a gradual re\_\_\_\_\_on      *n.* a decrease in size, amount, or degree
214. di\_\_\_\_\_e prevention      *n.* a disorder or illness that affects the body or mind, often characterized by specific symptoms or abnormal functioning of organs or systems
215. muscle le\_\_\_\_n      *n.* a damaged or abnormal area of tissue in the body, usually caused by injury or disease

ANSWERS: 206. classify, 207. treatment, 208. shocking, 209. nowhere, 210. collaboration, 211. atlas, 212. shrinkage, 213. reduction, 214. disease, 215. lesion

216. abs\_\_\_\_\_ly obsessed with the girl      *adv.* without restriction or limitation; completely or utterly
217. cro\_\_\_\_\_ion diagram      *n.* a two-dimensional representation of a slice or portion of a three-dimensional object or structure, showing the internal arrangement and relationship of its parts; a sample or subset of a larger population or entity that allows insight into its characteristics or behavior
218. loss of muscle ti\_\_\_e      *n.* an ensemble of similar cells of the animal or plant that together carry out a specific function
219. ap\_\_\_\_\_d physics      *adj.* of or relating to a subject of study, especially a science, that is used in a practical way
220. sta\_\_\_\_\_ng number      *adj.* so shocking as to stun or overwhelm
221. li\_\_r disease      *n.* a large organ in the body, involved in many metabolic processes, such as detoxification of the organism, and the synthesis of proteins
222. shoulder et\_\_\_\_\_l responsibility      *adj.* of or relating to principles about what is right and wrong, or the branch of knowledge dealing with these
223. the int\_\_\_\_\_on between man and his environment      *n.* the act of connecting with someone, mainly when working, playing, or spending time with them
224. an unf\_\_\_\_\_te situation      *adj.* having bad luck or fortune; unlucky
225. an unf\_\_\_\_\_te orphan      *adj.* having bad luck or fortune; unlucky

ANSWERS: 216. absolutely, 217. cross-section, 218. tissue, 219. applied, 220. staggering, 221. liver, 222. ethical, 223. interaction, 224. unfortunate, 225. unfortunate



236. visual de\_\_\_ts *n.* an imperfection, shortcoming, or lack of something or someone
237. an oral va\_\_\_\_\_e *n.* a substance that is put into the body and protects them from disease by causing them to produce antibodies (= proteins that attack harmful bacteria, viruses, etc.)
238. a dental cl\_\_\_c *n.* a building or hospital department where people can go for medical care or advice, especially of a particular condition
239. pl\_\_\_\_\_o therapy *n.* harmless substance, especially given as a pacifier or to the control group in experiments on the efficacy of a drug
240. en\_\_\_\_\_us potential *adj.* extremely large or great
241. re\_\_r to a book *v.* to direct someone's attention, thoughts, or questions to another source or person; to mention, cite, or allude to something as evidence or support
242. int\_\_\_\_\_on among human beings *n.* the act of connecting with someone, mainly when working, playing, or spending time with them
243. a ra\_\_\_\_\_l flaw in the plan *adj.* relating to the essential aspects of anything; far beyond the norm, mainly used of opinions and actions
244. an inf\_\_\_\_\_us fever *adj.* able to be passed quickly from one person, animal, or plant to another, especially through air or water
245. an attributive ad\_\_\_\_\_ve *n.* a word that describes a noun or pronoun

ANSWERS: 236. defect, 237. vaccine, 238. clinic, 239. placebo, 240. enormous, 241. refer, 242. interaction, 243. radical, 244. infectious, 245. adjective



246. ab\_\_\_\_al cells *adj.* not typical, usual, or regular, especially in a way that is bad
247. sewing ne\_\_\_\_e *n.* a thin, pointed object typically used for sewing or medical purposes; a metal or plastic instrument used for administering injections or drawing blood
248. s\_\_n a top *v.* to cause something to rotate rapidly; to cause someone to feel dizzy or disoriented
249. na\_\_\_\_n-state *n.* a large organized community of people living in a particular country or region and having a particular culture
250. s\_\_ls retentive of moisture *n.* the top layer of Earth in which plants grow
251. b\_\_e array *n.* a unit of digital information that consists of 8 bits, typically used to represent a single character of text or a small amount of computer code
252. res\_\_\_\_\_on of a conflict *n.* a firm decision or determination to do or not do something; the action of solving a problem, dispute, or conflict; the quality of being resolved or determined; the clarity and sharpness of an image or display
253. development of va\_\_\_\_\_es *n.* a substance that is put into the body and protects them from disease by causing them to produce antibodies (= proteins that attack harmful bacteria, viruses, etc.)

ANSWERS: 246. abnormal, 247. needle, 248. spin, 249. nation, 250. soil, 251. byte, 252. resolution, 253. vaccine

254. pr\_\_\_\_\_le of treatment *n.* a fundamental law or truth that explains or controls how something happens or works
255. h\_p from one place to another *v.* to jump lightly and quickly on one foot or both feet; to move rapidly from one place to another; to travel using an aircraft, bus, etc.
256. gov\_\_\_\_\_nt bureaucracy *n.* the group of people with authority to control a country or state
257. in\_\_\_e his privacy *v.* to enter aggressively into another's territory by military force for conquest and occupation
258. an ex\_\_\_\_\_d rock *adj.* having no protection or shield from something, such as bad weather, attack, or criticism
259. to prevent blood sugar sp\_\_es *n.* a narrow, thin, pointed piece of metal, wood, etc.; a sudden large increase in the magnitude or concentration of something
260. defense me \_\_\_\_\_sm *n.* a part of a machine, or a set of parts that performs a task; a natural or established process that occurs during a specific situation or reaction
261. mystical sig\_\_\_\_\_nce *n.* the importance or value attached to something; the quality of being significant or noteworthy
262. daily d\_\_e *n.* a quantity or amount of medicine or a drug that is taken or administered at one time, typically measured out in specific units; a similar measure of exposure to a harmful substance or radiation

ANSWERS: 254. principle, 255. hop, 256. government, 257. invade, 258. exposed, 259. spike, 260. mechanism, 261. significance, 262. dose

263. pr\_\_\_\_\_me database *n.* the entire complement of proteins that can be expressed by a genome, cell, tissue, or organism, including all of its functional forms and modifications
264. co\_\_\_\_\_t level *n.* a state of physical ease and freedom from pain or constraint
265. sh\_\_\_k with fear *v.* to become smaller, or to make something smaller in size or amount
266. fun\_\_\_\_\_al education *adj.* forming an essential base or core from which everything else develops or is affected
267. electronic de\_\_\_e *n.* a piece of equipment, tool, or technology that serves a particular purpose or function, often mechanical or electronic
268. al\_\_\_\_\_te budgets *v.* to give or distribute something, such as resources or duties, to someone or something for a particular purpose
269. a single su\_\_\_\_\_or *n.* a person who remains alive after an event in which others have died
270. ch\_\_\_\_\_c alcohol consumption *adj.* being long-lasting and recurrent or characterized by long suffering; habitual
271. st\_\_\_e climate *n.* a vast, wide, and usually treeless plain, typically found in semi-arid or arid regions, characterized by fertile soil and grassy vegetation, often used for grazing livestock; an expansive and open grassland ecosystem found in Eurasia and North America

ANSWERS: 263. proteome, 264. comfort, 265. shrink, 266. fundamental, 267. device, 268. allocate, 269. survivor, 270. chronic, 271. steppe

272. spare co\_\_\_\_\_nts for cars *n.* one of several parts that combines with others to form something bigger
273. ne\_\_\_n cell body *n.* a cell that is specialized to carry information within the brain and between the brain and other parts of the body
274. the ul\_\_\_\_\_te goal in life *adj.* furthest or highest in degree or order
275. develop a st\_\_\_\_\_gy *n.* a detailed plan of action designed to achieve a long-term or overall goal.
276. ob\_\_\_e children *adj.* excessively overweight, particularly to the point of being a serious health risk; having a body mass index (BMI) of 30 or more
277. infrared sp\_\_\_\_\_um *n.* an ordered array of colors into which a light beam can be split
278. re\_\_\_\_\_on strategy *n.* a decrease in size, amount, or degree
279. a bamboo gr\_\_\_e *n.* a small group of trees growing closely together
280. have ge\_\_\_\_\_c testing *adj.* of or relating to genes (= parts of the DNA in cells) or the science of genes
281. joint rec\_\_\_\_\_on *n.* the action or process of recognizing or being recognized, especially by remembering; an agreement that something is true or legal
282. an\_\_\_\_\_ce the award winners *v.* to make something known or officially inform people about something
283. ap\_\_\_\_\_e a measures *v.* to think that someone or something is favorable, acceptable, or appropriate; to officially accept a plan, request, etc.

ANSWERS: 272. component, 273. neuron, 274. ultimate, 275. strategy, 276. obese, 277. spectrum, 278. reduction, 279. grove, 280. genetic, 281. recognition, 282. announce, 283. approve

284. the ul\_\_\_\_te luxury *adj.* furthest or highest in degree or order
285. cen\_\_\_\_\_er measurement *n.* a unit of measurement of length in the metric system, equivalent to one-hundredth of a meter
286. ost\_\_\_\_\_sis prevention *n.* a medical condition characterized by a loss of bone density or mass, resulting in fragile and porous bones that are at increased risk for fractures
287. l\_\_g capacity *n.* either of the two organs in the chest that people and some animals use for breathing
288. person's smile is inf\_\_\_\_\_us *adj.* able to be passed quickly from one person, animal, or plant to another, especially through air or water
289. as\_\_\_\_\_d the viewer *v.* to surprise or shock someone with wonder very much
290. a dr\_\_\_\_\_ic rescue at sea *adj.* very sudden, very excellent, or full of action and excitement
291. ele\_\_\_\_\_cs store *n.* the branch of physics and technology that deals with the behavior and control of electrons and the use of electronic devices and systems
292. chronic mye\_\_\_\_\_us leukemia *adj.* originating from or relating to the bone marrow or spinal cord, specifically referring to the production or development of bone marrow cells
293. an ab\_\_\_\_\_nt supply of water *adj.* present in great quantity
294. an int\_\_\_\_\_nce test *n.* the ability to learn, comprehend, or make judgments or conclusions based on reasons

ANSWERS: 284. ultimate, 285. centimeter, 286. osteoporosis, 287. lung, 288. infectious, 289. astound, 290. dramatic, 291. electronics, 292. myelogenous, 293. abundant, 294. intelligence

295. ly\_\_h vessel *n.* a colorless fluid containing white blood cells that carry waste matter away from body tissue and help to prevent infections from spreading
296. bombs fell at ra\_\_\_m *adj.* made, done, or happening without method, conscious decision, or any regular pattern
297. man\_\_\_\_\_ion of a deeper problem *n.* a visible or tangible form of something, especially a particular sign of a disease or condition
298. in\_\_\_\_\_on pump *n.* a liquid, especially one containing medicine that is introduced into the body through a vein, muscle, or joint; the act of adding such liquid
299. co\_\_n examination *n.* the punctuation mark ( : ) used to introduce a list, summary, explanation, etc., or before reporting what someone has said; a significant part of the large intestine, the final section of the digestive system
300. ro\_\_\_t growth *adj.* sturdy and healthy in form, constitution, or construction; strong enough to withstand or overcome intellectual challenges or adversity
301. the meeting elected a cha\_\_\_\_\_on *n.* the officer who presides over organization meetings
302. military st\_\_\_\_\_gy *n.* a detailed plan of action designed to achieve a long-term or overall goal.
303. nonmetallic el\_\_\_\_\_ts *n.* a fundamental or essential part of something

ANSWERS: 295. lymph, 296. random, 297. manifestation, 298. infusion, 299. colon, 300. robust, 301. chairperson, 302. strategy, 303. element

304. a va\_\_\_\_le species      *adj.* likely to change or vary often; (noun) a symbol, like x or y, that is used in mathematical or logical expressions to represent a value that may be changed
305. express my ap\_\_\_\_al      *n.* the belief that someone or something is good or acceptable
306. co\_\_\_\_de a meeting      *v.* to come to an end or close; to reach a judgment or opinion by reasoning
307. am\_\_\_\_y the effect      *v.* to enhance something, particularly sound or brightness
308. tracking de\_\_\_\_e      *n.* a piece of equipment, tool, or technology that serves a particular purpose or function, often mechanical or electronic
309. h\_\_s warningly at the intruder      *v.* to make a sound similar to a sharp exhalation or steam escaping under pressure, often expressing disapproval, anger, or fear; to produce a sound that is shrill and prolonged, often resembling the hissing of a snake; (noun) a sound or noise made by a person or animal, characterized by a sharp, prolonged "s" sound
310. de\_\_\_\_t a bad event      *v.* to find or recognize something, especially something difficult to see, hear, etc.
311. g\_\_e cloning      *n.* the fundamental unit of heredity and the sequence of nucleotides in DNA that codes for the creation of RNA or protein.

ANSWERS: 304. variable, 305. approval, 306. conclude, 307. amplify, 308. device, 309. hiss, 310. detect, 311. gene

312. stress pr\_\_\_\_\_n *n.* a molecule made up of a long chain of amino acids, which is essential for the structure and function of the body's tissues
313. a de\_\_\_\_\_nt person *adj.* relying on someone or something else for support or aid
314. ac\_\_\_\_\_te measurements *adj.* correct and exact in all details
315. pa\_\_\_\_\_t with weight loss *n.* a person who is receiving medical treatment, care, or attention from a healthcare professional, such as a doctor, nurse, or therapist; a personal quality or characteristic
316. ex\_\_\_\_\_d to radiation *adj.* having no protection or shield from something, such as bad weather, attack, or criticism
317. n\_d at each other *v.* to lower and raise one's head, sometimes several times, as to show approval, agreement, greeting, or confirmation
318. ob\_\_\_\_\_s reasons *adj.* easy to see, discover or understand
319. clinical re\_\_\_\_\_on *n.* a period of time when a disease or condition is no longer present or active; a lessening or reduction of symptoms or intensity; forgiveness or pardon for sins or debts
320. sy\_\_\_\_\_ms of low testosterone *n.* any sensation or change in body or mind that is experienced by a patient and is associated with a particular disease

ANSWERS: 312. protein, 313. dependent, 314. accurate, 315. patient, 316. exposed, 317. nod, 318. obvious, 319. remission, 320. symptom



321. g\_\_e expression *n.* the fundamental unit of heredity and the sequence of nucleotides in DNA that codes for the creation of RNA or protein.
322. man\_\_\_\_\_te figures *v.* to influence or control something or someone to your advantage, often in an unfair or dishonest way
323. sta\_\_\_\_\_cs for cancer *n.* the discipline that concerns the collection, organization, analysis, interpretation, and presentation of data
324. a ro\_\_\_t appetite *adj.* sturdy and healthy in form, constitution, or construction; strong enough to withstand or overcome intellectual challenges or adversity
325. dispose of un\_\_\_\_\_ed formalin solution *adj.* not given medical care or treatment; not subjected to chemical or physical treatment
326. vice cha\_\_\_\_\_on *n.* the officer who presides over organization meetings
327. env\_\_\_\_\_nt affairs *n.* the natural world such as air, water, and land in which humans, animals, and plants live
328. fo\_\_\_\_\_te situation *adj.* having good luck or lucky
329. before me\_\_\_\_\_se *n.* the natural cessation of menstruation and fertility in women, typically occurring between the ages of 45 and 55
330. buck and d\_e *n.* a mature female of mammals of which the male is called a buck, such as a deer or a rabbit

ANSWERS: 321. gene, 322. manipulate, 323. statistics, 324. robust, 325. untreated, 326. chairperson, 327. environment, 328. fortunate, 329. menopause, 330. doe

331. at\_\_\_h firmly *v.* to fasten, join, or connect one thing to another
332. a m\_\_s of molten rock *n.* a large amount of a substance with no definite shape or form; a large number of people or things grouped or crowded together
333. a dependent va\_\_\_\_\_le *adj.* likely to change or vary often; (noun) a symbol, like x or y, that is used in mathematical or logical expressions to represent a value that may be changed
334. z\_\_e defense *n.* a specific area, region, or section that is marked off or defined in some way
335. modern on\_\_\_\_\_gy treatment *n.* the branch of medicine that deals with the study and treatment of tumors, especially malignancies
336. important dis\_\_\_\_\_on *n.* a difference or contrast between similar things or people
337. childhood le\_\_\_\_\_ia *n.* a type of cancer that affects the blood and bone marrow, in which abnormal white blood cells are produced and grow uncontrollably
338. ap\_\_\_\_\_d research *adj.* of or relating to a subject of study, especially a science, that is used in a practical way
339. s\_\_n a document into PDF *v.* to examine something hastily, with the eyes or with a machine, to get information
340. n\_\_b with cold *adj.* unable to feel physical sensation and movement; not showing human feeling or sensitivity

ANSWERS: 331. attach, 332. mass, 333. variable, 334. zone, 335. oncology, 336. distinction, 337. leukemia, 338. applied, 339. scan, 340. numb

341. improved student ou\_\_\_\_es      *n.* the result or effect of an action, event, etc.
342. basic br\_\_n function      *n.* the organ inside the head that is responsible for one's movement, thought, memory, and feeling
343. improve ma\_\_\_\_ly      *adv.* significantly or noticeably; in a way that stands out or is distinct; with clear or evident change or difference
344. talented ph\_\_\_\_st      *n.* a scientist who specializes in the field of physics
345. salted ov\_\_y of walleye pollack      *n.* either of the pair of organs in the female reproductive system that produces eggs; (of a plant) the organ that bears the ovules of a flower
346. a sta\_\_\_\_ng defeat      *adj.* so shocking as to stun or overwhelm
347. me\_\_\_\_r for life      *n.* a person who helps and advises a younger or less experienced person over time, usually at work or school
348. vague no\_\_\_\_n      *n.* a general idea or understanding of something, particularly an abstract or complex concept; a belief or opinion, often one that is not based on solid evidence or facts
349. a good grounding in mat\_\_\_\_cs      *n.* the science dealing with the logic of quantities, shapes, spaces, and arrangement
350. permanent br\_\_n damage      *n.* the organ inside the head that is responsible for one's movement, thought, memory, and feeling

ANSWERS: 341. outcome, 342. brain, 343. markedly, 344. physicist, 345. ovary, 346. staggering, 347. mentor, 348. notion, 349. mathematics, 350. brain

351. di\_\_\_\_se with CT scans      *v.* to determine or distinguish the nature of a problem or an illness through a careful analysis
352. ele\_\_\_\_cs industry      *n.* the branch of physics and technology that deals with the behavior and control of electrons and the use of electronic devices and systems
353. to sp\_\_e      *n.* a narrow, thin, pointed piece of metal, wood, etc.; a sudden large increase in the magnitude or concentration of something
354. rag d\_\_l      *n.* a child's toy that typically represents a human figure, especially a young girl; an attractive woman; a woman who is subservient or passive
355. provide ac\_\_\_\_te information      *adj.* correct and exact in all details
356. cognitive com\_\_\_\_ty      *n.* the state or quality of being complicated or intricate and difficult to understand
357. chi\_\_\_\_ing capacity      *n.* the act of giving birth to or bearing a child (or children), often in the context of medical or demographic research or public policy
358. run like h\_\_l      *n.* the place thought to be where bad people go and are punished after death, often depicted as being located beneath the earth; an extraordinarily unpleasant or difficult place
359. scientific jo\_\_\_\_l      *n.* a newspaper or magazine specialized in a specific topic or profession

ANSWERS: 351. diagnose, 352. electronics, 353. spike, 354. doll, 355. accurate, 356. complexity, 357. childbearing, 358. hell, 359. journal

360. me\_\_\_\_\_se symptoms *n.* the natural cessation of menstruation and fertility in women, typically occurring between the ages of 45 and 55
361. tu\_\_r growth *n.* a mass of diseased tissue that forms when cells in the body divide and grow in an uncontrolled way
362. citrus gr\_\_e *n.* a small group of trees growing closely together
363. pre\_\_\_\_\_te religion *v.* to be the most powerful, important, or frequent; to be more common or prevalent than others
364. animal an\_\_\_\_\_y *n.* the scientific study that deals with the physical structure of humans, animals, or plants
365. a scholarship ass\_\_\_\_\_on *n.* a people or groups of people who have joined in a single organization together for a particular purpose; a social or business connection or relationship
366. ca\_\_\_\_\_ng fire *adj.* attracting attention or interest; likely to be noticed or remembered; appealing or compelling
367. re\_\_r after appropriate treatment *v.* to happen repeatedly or occur again from time to time; to come back or return to one's mind or awareness
368. het\_\_\_\_\_ous system *adj.* diverse in character or content; composed of parts of different kinds; not uniform
369. have an up\_\_t stomach *adj.* causing or marked by anxiety, uneasiness, trouble, or grief; (verb) to make someone anxious, unhappy, or angry

ANSWERS: 360. menopause, 361. tumor, 362. grove, 363. predominate, 364. anatomy, 365. association, 366. catching, 367. recur, 368. heterogeneous, 369. upset

370. im\_\_\_\_\_e forgiveness *v.* to beg earnestly or desperately; to plead urgently for assistance or mercy
371. exp\_\_\_\_\_tal design *adj.* relating to or based on new ideas, forms, methods, etc. that have not been tried before, usually to find out what effect they have
372. car\_\_\_\_\_lar tissue *adj.* of or relating to the heart and blood vessels (= tubes that carry blood around the body)
373. a private ind\_\_\_\_\_al *n.* a single person or thing, as distinct from a group
374. recombinant cl\_\_e *n.* a plant or animal whose genetic information is identical to that of a parent organism from which it was created; an unauthorized copy or imitation
375. d\_t blot method *n.* a very small circular mark, especially one that is printed
376. ex\_\_\_\_\_e weather events *adj.* very great in amount or degree
377. re\_\_\_\_\_nt problem *adj.* occurring again, repeatedly, or frequently; returning
378. mo\_\_\_\_\_g ceremony *adj.* causing strong emotions or feelings, especially sadness or sympathy
379. ex\_\_\_\_\_e sports *adj.* very great in amount or degree
380. an\_\_\_\_\_ce candidacy *v.* to make something known or officially inform people about something
381. a broad sp\_\_\_\_\_um of opinion *n.* an ordered array of colors into which a light beam can be split

ANSWERS: 370. implore, 371. experimental, 372. cardiovascular, 373. individual, 374. clone, 375. dot, 376. extreme, 377. recurrent, 378. moving, 379. extreme, 380. announce, 381. spectrum

382. an ab\_\_\_\_\_ct noun *adj.* based on general ideas, feelings, or qualities and not on any a physical or concrete existence
383. pa\_\_\_\_\_y to understanding *n.* a track that constitutes or serves as a path; an approach or a way of doing something
384. up\_\_\_\_\_e region *adj.* relating to or located in the region that is located in the northern part of a state or country, particularly in the United States
385. interview res\_\_\_\_\_nt *n.* a person who answers questions in a survey or research study, or someone who responds to a complaint or accusation
386. he confessed dra\_\_\_\_\_lly *adv.* in a very impressive manner
387. pa\_\_e entertainment *adj.* no longer fashionable or current; outdated; considered to be old-fashioned or out of date
388. bl\_\_\_\_\_d budget *adj.* having an abnormally swollen or enlarged appearance, often due to an accumulation of fluid or excessive consumption of food or drink
389. break dis\_\_\_\_\_ne *n.* the practice of training people to obey rules or a code of behavior, using and punishments if these are broken; a region of activity, knowledge, or influence
390. ev\_\_\_\_\_on theory *n.* a gradual process of transformation of living things
391. fun\_\_\_\_\_al rights *adj.* forming an essential base or core from which everything else develops or is affected

ANSWERS: 382. abstract, 383. pathway, 384. upstate, 385. respondent, 386. dramatically, 387. passe, 388. bloated, 389. discipline, 390. evolution, 391. fundamental

392. st\_\_\_e for excellence *v.* to try very hard to do, achieve, or obtain something
393. ar\_\_\_\_c humans *adj.* old and no longer used or applicable; of or seeming to belong to an ancient period in history
394. do l\_\_g transplantation *n.* either of the two organs in the chest that people and some animals use for breathing
395. col\_\_\_\_\_ion between companies *n.* the act or situation of working together to create or produce something
396. a digital pl\_\_\_\_\_rm for enterprise *n.* the raised flat space close to the track at a train station where passengers get on or off the train; (technology) a computational or digital environment in which a piece of software is executed
397. draw out a sc\_\_\_e *n.* an organized and often large-scale plan or arrangement for doing something
398. in\_\_\_\_\_on therapy *n.* a liquid, especially one containing medicine that is introduced into the body through a vein, muscle, or joint; the act of adding such liquid
399. th\_\_\_\_\_y for a patient *n.* the act of caring for someone through medication, remedial training, etc.
400. the me\_\_\_\_\_sm for DNA replication *n.* a part of a machine, or a set of parts that performs a task; a natural or established process that occurs during a specific situation or reaction
401. unanimously ap\_\_\_\_\_e a resolution *v.* to think that someone or something is favorable, acceptable, or appropriate; to officially accept a plan, request, etc.

ANSWERS: 392. strive, 393. archaic, 394. lung, 395. collaboration, 396. platform, 397. scheme, 398. infusion, 399. therapy, 400. mechanism, 401. approve



402. research in\_\_\_\_\_tes *n.* an organization that has a specific purpose, particularly one dealing with science, education, or a particular profession; (verb) to initiate, introduce, or establish something
403. sig\_\_\_\_\_nce level *n.* the importance or value attached to something; the quality of being significant or noteworthy
404. ne\_\_\_\_\_n acceleration *n.* a subatomic particle with no electric charge that is present in all atomic nuclei except those of ordinary hydrogen
405. sc\_\_y story *adj.* causing fear or fright; frightening; intimidating
406. com\_\_\_\_\_ty theory *n.* the state or quality of being complicated or intricate and difficult to understand
407. the co\_\_n at the end of the sentence *n.* the punctuation mark ( : ) used to introduce a list, summary, explanation, etc., or before reporting what someone has said; a significant part of the large intestine, the final section of the digestive system
408. h\_p on one foot *v.* to jump lightly and quickly on one foot or both feet; to move rapidly from one place to another; to travel using an aircraft, bus, etc.
409. sem\_\_\_\_\_tor device *n.* a material or substance that can conduct electricity under certain conditions but not others, often used in electronic devices

ANSWERS: 402. institute, 403. significance, 404. neutron, 405. scary, 406. complexity, 407. colon, 408. hop, 409. semiconductor

410. reduce my ca\_\_\_\_\_e intake      *n.* unit of heat defined as the quantity of heat required to raise the temperature of 1 gram of water by 1 degree Celsius at atmospheric pressure, used by nutritionists to measure how much energy food will produce
411. key co\_\_\_\_\_nt      *n.* one of several parts that combines with others to form something bigger
412. two-ph\_\_e structure      *n.* any stage in a series of events, change, or development
413. complete re\_\_\_\_\_on      *n.* a period of time when a disease or condition is no longer present or active; a lessening or reduction of symptoms or intensity; forgiveness or pardon for sins or debts
414. pr\_\_\_\_\_y viral DNA      *n.* the descendants or offspring of a person, animal, or plant
415. s\_\_t a bullet      *v.* to eject saliva or other liquid from the mouth
416. a sex chr\_\_\_\_\_me      *n.* a long and string-like DNA molecule containing the part or all of the genetic material of an organism that controls what an animal or plant is like
417. ob\_\_\_\_\_y-related diseases      *n.* the condition of being significantly overweight, typically defined as having a body mass index (BMI) of 30 or greater.
418. pi\_\_\_\_\_l moment      *adj.* relating to or acting as a pivot or central point; crucial or essential to the success or outcome of something

ANSWERS: 410. calorie, 411. component, 412. phase, 413. remission, 414. progeny, 415. spit, 416. chromosome, 417. obesity, 418. pivotal

419. extreme tem\_\_\_\_\_res *n.* the degree of hotness or coldness of a thing or place
420. rec\_\_\_\_\_ce after chemotherapy *n.* the act of happening again or recurring; the return of something, such as a disease or symptom, after a period of abatement or remission
421. s\_\_n the face of the man *v.* to examine something hastily, with the eyes or with a machine, to get information
422. draw a dis\_\_\_\_\_on *n.* a difference or contrast between similar things or people
423. tr\_\_\_\_\_rm an education system *v.* to change in outward structure or looks;
424. an un\_\_\_\_\_ed disease *adj.* not given medical care or treatment; not subjected to chemical or physical treatment
425. ge\_\_\_e analyses *n.* the complete set or sequence of genes of a human, animal, plant, or other living things
426. sc\_\_y dream *adj.* causing fear or fright; frightening; intimidating
427. pa\_\_\_\_\_t in the hospital *n.* a person who is receiving medical treatment, care, or attention from a healthcare professional, such as a doctor, nurse, or therapist; a personal quality or characteristic
428. rare occ\_\_\_\_\_ce *n.* an event, incident, or happening; something that happens or takes place
429. co\_\_\_\_\_de that he is healthy *v.* to come to an end or close; to reach a judgment or opinion by reasoning

ANSWERS: 419. temperature, 420. recurrence, 421. scan, 422. distinction, 423. transform, 424. untreated, 425. genome, 426. scary, 427. patient, 428. occurrence, 429. conclude

430. di\_\_\_\_se the problem      *v.* to determine or distinguish the nature of a problem or an illness through a careful analysis
431. di\_\_\_\_t a well-ordered condition      *v.* to prevent or stop something, especially an event, activity, or process, from continuing in the usual way by causing a problem or disturbance
432. al\_\_\_\_e to the planning      *v.* to suggest or make reference to something indirectly
433. rem\_\_\_\_le achievement      *adj.* worthy of attention because unusual or special
434. me\_\_\_\_al chemistry      *adj.* of or relating to the treatment or cure of disease
435. re\_\_\_\_nt miscarriage      *adj.* occurring again, repeatedly, or frequently; returning
436. ex\_\_\_\_ng football player      *adj.* causing a lot of interest or excitement
437. at\_\_s of anatomy      *n.* a book of maps or charts; a figure in Greek mythology who bore the weight of the world on his shoulders
438. a seafaring na\_\_\_\_n      *n.* a large organized community of people living in a particular country or region and having a particular culture
439. traditional me\_\_\_\_al      *adj.* of or relating to the treatment or cure of disease
440. pathogenic ba\_\_\_\_ia      *n.* single-celled or noncellular spherical or spiral or rod-shaped organisms that exist in large numbers in the air, water, and soil, and also in living and dead creatures and plants, and are often a cause of disease

ANSWERS: 430. diagnose, 431. disrupt, 432. allude, 433. remarkable, 434. medicinal, 435. recurrent, 436. exciting, 437. atlas, 438. nation, 439. medicinal, 440. bacteria

441. cro\_\_\_\_\_ion view *n.* a two-dimensional representation of a slice or portion of a three-dimensional object or structure, showing the internal arrangement and relationship of its parts; a sample or subset of a larger population or entity that allows insight into its characteristics or behavior
442. di\_\_\_\_\_te metric space *adj.* separate and distinct; not continuous; individually distinguishable
443. a con\_\_\_\_\_us row of warehouses *adj.* occurring or existing without a pause or interruption
444. en\_\_\_\_\_er a storm *v.* to face something, particularly something unpleasant or difficult, while attempting to do something else; to meet, especially unexpectedly
445. barren st\_\_\_\_e *n.* a vast, wide, and usually treeless plain, typically found in semi-arid or arid regions, characterized by fertile soil and grassy vegetation, often used for grazing livestock; an expansive and open grassland ecosystem found in Eurasia and North America
446. st\_\_k a key in a lock *v.* to put something, usually a sharp object, into something; to restrict yourself to doing or using one certain thing and not change; (noun) a thin piece of wood or other material
447. sequencing of the human ge\_\_\_\_e *n.* the complete set or sequence of genes of a human, animal, plant, or other living things

ANSWERS: 441. cross-section, 442. discrete, 443. continuous, 444. encounter, 445. steppe, 446. stick, 447. genome



458. n\_d courteously *v.* to lower and raise one's head, sometimes several times, as to show approval, agreement, greeting, or confirmation
459. the pa\_\_\_\_\_en in the air *n.* a bacterium, virus, or other microorganism that causes disease
460. budget sh\_\_\_\_\_ge *n.* the process of becoming smaller or less in size or quantity; the amount by which something has shrunk, contracted, or diminished
461. words of co\_\_\_\_\_t *n.* a state of physical ease and freedom from pain or constraint
462. ost\_\_\_\_\_sis treatment *n.* a medical condition characterized by a loss of bone density or mass, resulting in fragile and porous bones that are at increased risk for fractures
463. at\_\_\_h a file to an e-mail *v.* to fasten, join, or connect one thing to another
464. frequent occ\_\_\_\_\_ce *n.* an event, incident, or happening; something that happens or takes place
465. abs\_\_\_\_\_ly against *adv.* without restriction or limitation; completely or utterly
466. live an ab\_\_\_\_\_nt life *adj.* present in great quantity
467. dow\_\_\_\_\_ted mood *adj.* feeling disheartened, discouraged, or dejected; having a low or depressed spirit or mood
468. ad\_\_\_\_\_ve clause *n.* a word that describes a noun or pronoun

ANSWERS: 458. nod, 459. pathogen, 460. shrinkage, 461. comfort, 462. osteoporosis, 463. attach, 464. occurrence, 465. absolutely, 466. abundant, 467. down-hearted, 468. adjective

469. el\_\_\_\_t design *adj.* pleasing and graceful in appearance or manner, or showing good taste and refinement
470. up\_\_\_\_e Connecticut *adj.* relating to or located in the region that is located in the northern part of a state or country, particularly in the United States
471. thirty cen\_\_\_\_\_ers tall *n.* a unit of measurement of length in the metric system, equivalent to one-hundredth of a meter
472. id\_\_\_\_fy handwriting *v.* to recognize someone or something and say or prove who or what they are
473. ob\_\_e individuals *adj.* excessively overweight, particularly to the point of being a serious health risk; having a body mass index (BMI) of 30 or more
474. the atmospheric tem\_\_\_\_\_re *n.* the degree of hotness or coldness of a thing or place
475. a bold cl\_\_f *n.* a steep rock face, especially one at the edge of the sea or a river
476. bl\_\_\_\_d feeling *adj.* having an abnormally swollen or enlarged appearance, often due to an accumulation of fluid or excessive consumption of food or drink
477. as so\_\_r as a judge *adj.* not drunk or affected by alcohol; dignified in manner or character and committed to keeping promises
478. seem somewhat ar\_\_\_\_c *adj.* old and no longer used or applicable; of or seeming to belong to an ancient period in history

ANSWERS: 469. elegant, 470. upstate, 471. centimeter, 472. identify, 473. obese, 474. temperature, 475. cliff, 476. bloated, 477. sober, 478. archaic



479. sta\_\_\_\_\_art technology *adj.* characterized by the use of the latest and most advanced technology or methods; cutting-edge
480. fashion me\_\_\_r *n.* a person who helps and advises a younger or less experienced person over time, usually at work or school
481. brain le\_\_\_n *n.* a damaged or abnormal area of tissue in the body, usually caused by injury or disease
482. human ev\_\_\_\_\_on *n.* a gradual process of transformation of living things
483. benign pa\_\_\_\_\_gy *n.* the study of the nature and cause of diseases and disorders; the medical specialty that deals with the diagnosis and treatment of diseases and disorders
484. d\_e rabbit *n.* a mature female of mammals of which the male is called a buck, such as a deer or a rabbit
485. painful a\_\_e *n.* a skin condition that causes pimples, blackheads, and other blemishes on the face, chest, and back
486. an et\_\_\_\_l doctrine *adj.* of or relating to principles about what is right and wrong, or the branch of knowledge dealing with these
487. ca\_\_\_r diagnosis *n.* abnormal growth of cells that can invade and destroy surrounding tissues and organs; a disease characterized by the uncontrolled growth and spread of abnormal cells

ANSWERS: 479. state-of-the-art, 480. mentor, 481. lesion, 482. evolution, 483. pathology, 484. doe, 485. acne, 486. ethical, 487. cancer

488. a ra\_\_\_m choice *adj.* made, done, or happening without method, conscious decision, or any regular pattern
489. br\_\_\_t cancer *n.* either of the two round soft parts of a woman's chest which secrete milk after childbirth
490. risk of ch\_\_\_\_c disease *adj.* being long-lasting and recurrent or characterized by long suffering; habitual
491. pre\_\_\_\_te in the army *v.* to be the most powerful, important, or frequent; to be more common or prevalent than others
492. ma\_\_\_t attraction *n.* an object or substance that can attract certain materials, such as iron or steel
493. re\_\_r to a map *v.* to direct someone's attention, thoughts, or questions to another source or person; to mention, cite, or allude to something as evidence or support
494. n\_\_m of action *n.* something that is regarded as usual, typical, or standard
495. ad\_\_\_\_e a cooperative relationship *v.* to go or move forward; to develop in a positive way
496. decline ma\_\_\_\_ly *adv.* significantly or noticeably; in a way that stands out or is distinct; with clear or evident change or difference
497. ly\_\_h flow *n.* a colorless fluid containing white blood cells that carry waste matter away from body tissue and help to prevent infections from spreading
498. a ra\_\_\_\_l cure *adj.* relating to the essential aspects of anything; far beyond the norm, mainly used of opinions and actions

ANSWERS: 488. random, 489. breast, 490. chronic, 491. predominate, 492. magnet, 493. refer, 494. norm, 495. advance, 496. markedly, 497. lymph, 498. radical

499. vulnerable to man\_\_\_\_\_te                    *v.*    to influence or control something or someone to your advantage, often in an unfair or dishonest way
500. ab\_\_\_\_\_al heart rhythms                    *adj.* not typical, usual, or regular, especially in a way that is bad
501. the average life s\_\_n                            *n.*    the entire length of something, such as time or space from beginning to end; the amount of space that something covers
502. id\_\_\_\_\_fy gene sequences                    *v.*    to recognize someone or something and say or prove who or what they are

ANSWERS: 499. manipulate, 500. abnormal, 501. span, 502. identify

## Session 3: Fill in the Blanks

1. Please tell me how to \_\_\_\_\_ this computer.  
*v.* to influence or control something or someone to your advantage, often in an unfair or dishonest way
2. This bilingual \_\_\_\_\_ was essential for his language improvement.  
*n.* all the words and phrases of a particular language or branch of knowledge, such as nautical or medical
3. Shakespeare's output of poetry was \_\_\_\_\_.  
*adj.* extremely large or great
4. Despite the evidence, she remained a \_\_\_\_\_ in the theory of evolution.  
*n.* a person who does not believe in something, such as a religion or idea
5. The \_\_\_\_\_ of the earthquake was measured at 7.8 on the Richter scale.  
*n.* the extent, level, importance, or amount of something
6. The acupuncturist inserted \_\_\_\_\_ into specific points on my body to alleviate my pain.  
*n.* a thin, pointed object typically used for sewing or medical purposes; a metal or plastic instrument used for administering injections or drawing blood
7. The human \_\_\_\_\_ contains approximately three billion chemical base pairs.  
*n.* the complete set or sequence of genes of a human, animal, plant, or other living things
8. The prevalence of \_\_\_\_\_ has increased significantly in recent years.  
*n.* the condition of being significantly overweight, typically defined as having a body mass index (BMI) of 30 or greater.

ANSWERS: 1. manipulate, 2. lexicon, 3. enormous, 4. disbeliever, 5. magnitude, 6. needles, 7. genome, 8. obesity

9. He quickly learned the military \_\_\_\_\_.
- n.* the practice of training people to obey rules or a code of behavior, using and punishments if these are broken; a region of activity, knowledge, or influence
10. The \_\_\_\_\_ of his discovery cannot be overstated.
- n.* the importance or value attached to something; the quality of being significant or noteworthy
11. The rabbit \_\_\_\_\_ over the fence.
- v.* to jump lightly and quickly on one foot or both feet; to move rapidly from one place to another; to travel using an aircraft, bus, etc.
12. \_\_\_\_\_ cancer has spread from its original site to other body parts.
- adj.* used to describe cancer cells that have spread from the primary site of origin to other parts of the body through the bloodstream or lymphatic system
13. Military technology eventually became the foundation for \_\_\_\_\_ technology that supported people's lives.
- adj.* of or relating to a subject of study, especially a science, that is used in a practical way
14. Shares in the company finally fell below their \_\_\_\_ value.
- n.* a state of being equal to someone or something
15. The doctor examined the \_\_\_\_\_ on the patient's skin to determine if it was cancerous.
- n.* a damaged or abnormal area of tissue in the body, usually caused by injury or disease
16. He was reluctant to leave his comfort \_\_\_\_\_ and try something new.
- n.* a specific area, region, or section that is marked off or defined in some way

ANSWERS: 9. discipline, 10. significance, 11. hopped, 12. Metastatic, 13. applied, 14. par, 15. lesion, 16. zone

17. His professional experience includes all \_\_\_\_\_ of media production.  
*n.* one part or feature of a situation, problem, subject, etc.
18. I always have nightmares that \_\_\_\_\_ occasionally and prevent me from getting a good night's sleep.  
*v.* to happen repeatedly or occur again from time to time; to come back or return to one's mind or awareness
19. Many women delay \_\_\_\_\_ until their careers are established.  
*n.* the act of giving birth to or bearing a child (or children), often in the context of medical or demographic research or public policy
20. He grew up in a small town in \_\_\_\_\_ New York.  
*adj.* relating to or located in the region that is located in the northern part of a state or country, particularly in the United States
21. The \_\_\_\_\_ has the authority to approve or deny any request.  
*n.* the officer who presides over organization meetings
22. The essence of economics is to \_\_\_\_\_ the allocation of limited resources.  
*v.* to make the best or most effective use of something
23. \_\_\_\_\_ in the design could cause much worse issues.  
*n.* an imperfection, shortcoming, or lack of something or someone
24. In junior high school, we had to dissect a frog in \_\_\_\_\_ class.  
*n.* the scientific study of life and the natural processes of living things
25. The doctor said that the \_\_\_\_\_ of these symptoms may indicate a more serious condition.  
*n.* an event, incident, or happening; something that happens or takes place

ANSWERS: 17. aspects, 18. recur, 19. childbearing, 20. upstate, 21. chairperson, 22. optimize, 23. Defects, 24. biology, 25. occurrence

26. The wallpaper had a pattern of pink \_\_\_\_\_ on a white surface.  
*n.* a very small circular mark, especially one that is printed
27. He slightly modified the \_\_\_\_\_ of training because it was just before a match.  
*n.* the entire length of something, such as time or space from beginning to end; the amount of space that something covers
28. He is the \_\_\_\_\_ and chairman of this tech company.  
*n.* one of several people who establishes an organization or starts a business
29. The partnership program requires a mutual \_\_\_\_\_ between both agencies.  
*n.* the act or situation of working together to create or produce something
30. Life expectancy has grown \_\_\_\_\_ this century.  
*adv.* in a very impressive manner
31. The onset of \_\_\_\_\_ can bring about various physical and emotional changes in women.  
*n.* the natural cessation of menstruation and fertility in women, typically occurring between the ages of 45 and 55
32. \_\_\_\_\_ moisture is another significant component controlling soil respiration.  
*n.* the top layer of Earth in which plants grow
33. Human behavior has \_\_\_\_\_ characteristics.  
*adj.* forming an essential base or core from which everything else develops or is affected

ANSWERS: 26. dots, 27. span, 28. cofounder, 29. collaboration, 30. dramatically, 31. menopause, 32. Soil, 33. fundamental

34. Our body transfers information along each \_\_\_\_\_ using an electrical impulse.  
*n.* a cell that is specialized to carry information within the brain and between the brain and other parts of the body
35. The federal \_\_\_\_\_ is planning to increase taxes for the next fiscal year.  
*n.* the group of people with authority to control a country or state
36. This device is used to \_\_\_\_\_ brain cancer and other tumors.  
*v.* to determine or distinguish the nature of a problem or an illness through a careful analysis
37. The amount of money required was \_\_\_\_\_.  
*adj.* so shocking as to stun or overwhelm
38. Her stomach was visibly \_\_\_\_\_ after eating a large meal.  
*adj.* having an abnormally swollen or enlarged appearance, often due to an accumulation of fluid or excessive consumption of food or drink
39. The antique \_\_\_\_\_ was worth thousands of dollars.  
*n.* a child's toy that typically represents a human figure, especially a young girl; an attractive woman; a woman who is subservient or passive
40. They awaited news of the \_\_\_\_\_ of the election.  
*n.* the result or effect of an action, event, etc.
41. The \_\_\_\_\_ "red" describes the color of the apple.  
*n.* a word that describes a noun or pronoun
42. We want to \_\_\_\_\_ ties between our two countries.  
*v.* to make or become better

ANSWERS: 34. neuron, 35. government, 36. diagnose, 37. staggering, 38. bloated, 39. doll, 40. outcome, 41. adjective, 42. improve



43. Radiation often promotes genetic \_\_\_\_\_ in plants and animals.  
*n.* the way in which genes of a person, plant, animal, or other organism change and produce permanent differences
44. Hunters use a whistle that makes the \_\_\_\_ sound to lure stags.  
*n.* a mature female of mammals of which the male is called a buck, such as a deer or a rabbit
45. The country has \_\_\_\_\_ oil and natural gas resources.  
*adj.* present in great quantity
46. Management must take \_\_\_\_\_ responsibility for the accident.  
*adj.* furthest or highest in degree or order
47. The \_\_\_\_\_ of time travel has long fascinated scientists and fiction writers alike.  
*n.* a general idea or understanding of something, particularly an abstract or complex concept; a belief or opinion, often one that is not based on solid evidence or facts
48. The systems we have developed has accepted as industry \_\_\_\_\_.  
*n.* something that is regarded as usual, typical, or standard
49. He was given \_\_\_\_\_ for his outstanding work in the field of medicine.  
*n.* the action or process of recognizing or being recognized, especially by remembering; an agreement that something is true or legal
50. Men over the age of 50 are at a higher risk for \_\_\_\_\_ cancer.  
*n.* a small gland located near the bladder (= an organ located in the lower abdomen) in males that produces fluid that becomes part of semen

ANSWERS: 43. mutations, 44. doe, 45. abundant, 46. ultimate, 47. notion, 48. norms, 49. recognition, 50. prostate

51. Einstein was an outstanding and famous \_\_\_\_\_ of the 20th century.

*n.* a scientist who specializes in the field of physics

52. He was pretty \_\_\_\_\_ to pass the exam.

*adj.* having good luck or lucky

53. We do move forward with those tasks in \_\_\_\_\_ next week.

*n.* a series of related events, actions, numbers, etc., which have a particular order

54. Many cancer patients undergo \_\_\_\_\_ as a treatment option.

*n.* the treatment of disease, particularly cancer, using special drugs that have a toxic effect on cancer cells; frequently used in conjunction with other therapies such as surgery and radiation

55. I am \_\_\_\_\_ opposed to his idea because of morality.

*adv.* without restriction or limitation; completely or utterly

56. The \_\_\_\_\_ of the tree trunk showed its growth rings.

*n.* a two-dimensional representation of a slice or portion of a three-dimensional object or structure, showing the internal arrangement and relationship of its parts; a sample or subset of a larger population or entity that allows insight into its characteristics or behavior

57. The \_\_\_\_\_ in the wool sweater was caused by washing it in hot water.

*n.* the process of becoming smaller or less in size or quantity; the amount by which something has shrunk, contracted, or diminished

58. A double-blind procedure is used to guard against experimenter bias and \_\_\_\_\_ effects.

*n.* harmless substance, especially given as a pacifier or to the control group in experiments on the efficacy of a drug

ANSWERS: 51. physicist, 52. fortunate, 53. sequence, 54. chemotherapy, 55. absolutely, 56. cross-section, 57. shrinkage, 58. placebo

59. I'm prepared to \_\_\_\_\_ challenges throughout this adventure.  
*v.* to face something, particularly something unpleasant or difficult, while attempting to do something else; to meet, especially unexpectedly
60. Human females normally have two X \_\_\_\_\_.  
*n.* a long and string-like DNA molecule containing the part or all of the genetic material of an organism that controls what an animal or plant is like
61. The company divided the tasks into \_\_\_\_\_ segments to increase efficiency.  
*adj.* separate and distinct; not continuous; individually distinguishable
62. The \_\_\_\_\_ of his anxiety was evident in his shaking hands.  
*n.* a visible or tangible form of something, especially a particular sign of a disease or condition
63. I will introduce you to how to \_\_\_\_\_ the leading causes of the malfunction.  
*v.* to recognize someone or something and say or prove who or what they are
64. He stood at the edge of the \_\_\_\_\_ and looked out to sea.  
*n.* a steep rock face, especially one at the edge of the sea or a river
65. She tried to \_\_\_\_\_ out the gum that she had been chewing.  
*v.* to eject saliva or other liquid from the mouth
66. The election was a \_\_\_\_\_ success for the Whigs.  
*adj.* worthy of attention because unusual or special
67. My father's death \_\_\_\_\_ my life completely.  
*v.* to change in outward structure or looks;

ANSWERS: 59. encounter, 60. chromosomes, 61. discrete, 62. manifestation, 63. identify, 64. cliff, 65. spit, 66. remarkable, 67. transformed

68. Bell-bottom jeans, once considered \_\_\_\_\_ fashion, have made a surprising comeback in recent years.

*adj.* no longer fashionable or current; outdated; considered to be old-fashioned or out of date

69. Capitalism guarantees the right of ownership of personal \_\_\_\_\_.

*n.* a large amount of money or property; chance or luck as an unknown and arbitrary force affecting human affairs

70. Rainfall in the tropics is highly \_\_\_\_\_.

*adj.* likely to change or vary often; (noun) a symbol, like x or y, that is used in mathematical or logical expressions to represent a value that may be changed

71. Stress can contribute to \_\_\_\_\_ development on the skin.

*n.* a skin condition that causes pimples, blackheads, and other blemishes on the face, chest, and back

72. The brain is an incredibly complex organ that controls the body's \_\_\_\_\_.

*n.* the purpose or use of an object, system, or process; a particular activity or operation that is designed to serve a specific purpose; a mathematical concept that describes a relationship between two sets of values, called the input and output sets; (verb) to operate or work in a specific way, or to perform a particular task or purpose

73. The European Central Bank is Europe's \_\_\_\_\_ of the Federal Reserve.

*n.* having the same value, quality, meaning, purpose, etc.

74. The \_\_\_\_\_ demonstrate that poverty and unemployment are genuine problems.

*n.* the discipline that concerns the collection, organization, analysis, interpretation, and presentation of data

ANSWERS: 68. passe, 69. fortune, 70. variable, 71. acne, 72. function, 73. equivalent, 74. statistics

75. The body needs a certain amount of \_\_\_\_\_ to build and repair tissues.  
*n.* a molecule made up of a long chain of amino acids, which is essential for the structure and function of the body's tissues
76. The official transcript contains \_\_\_\_\_ academic records.  
*adj.* correct and exact in all details
77. Computational simulations help determine which \_\_\_\_\_ molecule is susceptible to change by specific enzymes.  
*n.* a substance or layer from which an organism grows and lives and by which an organism is supported; a substance on which an enzyme or ferment act
78. Heat stroke is the result of \_\_\_\_\_ heat exhaustion.  
*adj.* not given medical care or treatment; not subjected to chemical or physical treatment
79. He found \_\_\_\_\_ in the warm embrace of his loved ones.  
*n.* a state of physical ease and freedom from pain or constraint
80. I always carry a backup \_\_\_\_\_ in case my phone runs out of battery.  
*n.* a piece of equipment, tool, or technology that serves a particular purpose or function, often mechanical or electronic
81. The era of the industrial revolution was a crucial \_\_\_\_\_ of history.  
*n.* any stage in a series of events, change, or development
82. Scientific knowledge will \_\_\_\_\_ significantly with the power of AI.  
*v.* to go or move forward; to develop in a positive way

ANSWERS: 75. protein, 76. accurate, 77. substrate, 78. untreated, 79. comfort, 80. device, 81. phase, 82. advance

83. He made a New Year's \_\_\_\_\_ to exercise more and eat healthier.  
*n.* a firm decision or determination to do or not do something; the action of solving a problem, dispute, or conflict; the quality of being resolved or determined; the clarity and sharpness of an image or display
84. He was awfully \_\_\_\_\_ by the news.  
*adj.* causing or marked by anxiety, uneasiness, trouble, or grief; (verb) to make someone anxious, unhappy, or angry
85. I have no intention to \_\_\_\_\_ your privacy.  
*v.* to enter aggressively into another's territory by military force for conquest and occupation
86. The symptoms of \_\_\_\_\_ may include fatigue, weakness, and fever.  
*n.* a type of cancer that affects the blood and bone marrow, in which abnormal white blood cells are produced and grow uncontrollably
87. I used an optical \_\_\_\_\_ to observe the small organisms in the water sample.  
*n.* an instrument used to see objects or substances that are too small to be seen with the naked eye
88. The \_\_\_\_\_ of people who do not own property is politically impotent.  
*n.* a large amount of a substance with no definite shape or form; a large number of people or things grouped or crowded together
89. I've been thinking all day and getting \_\_\_\_\_.  
*adv.* not in, at, or to any place; not anywhere
90. The \_\_\_\_\_ of the flu every winter is a common occurrence.  
*n.* the act of happening again or recurring; the return of something, such as a disease or symptom, after a period of abatement or remission

ANSWERS: 83. resolution, 84. upset, 85. invade, 86. leukemia, 87. microscope, 88. mass, 89. nowhere, 90. recurrence

91. My boss wouldn't \_\_\_\_\_ of the plan.  
*v.* to think that someone or something is favorable, acceptable, or appropriate; to officially accept a plan, request, etc.
92. The \_\_\_\_\_ of the two groups is good for brainstorming.  
*n.* the act of connecting with someone, mainly when working, playing, or spending time with them
93. The patient displays a \_\_\_\_\_ of a side effect.  
*n.* any sensation or change in body or mind that is experienced by a patient and is associated with a particular disease
94. Efficiency isn't an essential \_\_\_\_\_ here; fairness is.  
*n.* a fundamental law or truth that explains or controls how something happens or works
95. The newspaper published an \_\_\_\_\_ on the current state of the economy.  
*adj.* relating to the expression of opinions or interpretations in the media
96. The hospital has \_\_\_\_\_ equipment and facilities to ensure the best healthcare for its patients.  
*adj.* characterized by the use of the latest and most advanced technology or methods; cutting-edge
97. The \_\_\_\_\_ in carbon emissions has been significant since the implementation of the new policy.  
*n.* a decrease in size, amount, or degree
98. The findings of the experiment were both \_\_\_\_\_ and unexpected.  
*adj.* causing a lot of interest or excitement

ANSWERS: 91. approve, 92. interaction, 93. symptom, 94. principle, 95. editorial, 96. state-of-the-art, 97. reduction, 98. exciting

99. She \_\_\_\_\_ quietly in response to the question.  
*v.* to lower and raise one's head, sometimes several times, as to show approval, agreement, greeting, or confirmation
100. He deliberately read picture books in an \_\_\_\_\_ way to please the children.  
*adj.* old and no longer used or applicable; of or seeming to belong to an ancient period in history
101. The CEO's decision was \_\_\_\_\_ in the success of the company's expansion plans.  
*adj.* relating to or acting as a pivot or central point; crucial or essential to the success or outcome of something
102. A \_\_\_\_\_ star is incredibly dense and has a strong gravitational pull.  
*n.* a subatomic particle with no electric charge that is present in all atomic nuclei except those of ordinary hydrogen
103. She stood on the podium and \_\_\_\_\_ an audience.  
*v.* to examine something hastily, with the eyes or with a machine, to get information
104. In terms of \_\_\_\_\_ he was head and shoulders above his classmates.  
*n.* the ability to learn, comprehend, or make judgments or conclusions based on reasons
105. The \_\_\_\_\_ group of students came from different countries and spoke various languages.  
*adj.* diverse in character or content; composed of parts of different kinds; not uniform

ANSWERS: 99. nodded, 100. archaic, 101. pivotal, 102. neutron, 103. scanned, 104. intelligence, 105. heterogeneous



106. She wore an \_\_\_\_\_ evening gown to the gala.

*adj.* pleasing and graceful in appearance or manner, or showing good taste and refinement

107. The researchers try to discover a common \_\_\_\_\_ in all types of successful organizations.

*n.* one of several parts that combines with others to form something bigger

108. It is common for oppressive governments to \_\_\_\_\_ through violence, using military and police force to control their citizens and suppress dissent.

*v.* to be common, widespread, or frequent; to be the strongest or most powerful

109. There was a massive swelling of the \_\_\_\_\_ nodes.

*n.* a colorless fluid containing white blood cells that carry waste matter away from body tissue and help to prevent infections from spreading

110. He has been prescribed an \_\_\_\_\_ to treat his infection.

*n.* a substance or drug that kills or slows down the growth of bacteria

111. He grilled the \_\_\_\_\_ meat of a chicken.

*n.* either of the two round soft parts of a woman's chest which secrete milk after childbirth

112. The \_\_\_\_\_ scent of freshly baked bread made my mouth water.

*adj.* attracting attention or interest; likely to be noticed or remembered; appealing or compelling

113. The \_\_\_\_\_ cause of the accident was due to the icy road conditions.

*adj.* first or highest in rank, order, or importance; most fundamental or essential; pertaining to the initial or introductory stage of something, such as a school year or election cycle

ANSWERS: 106. elegant, 107. component, 108. prevail, 109. lymph, 110. antibiotic, 111. breast, 112. catching, 113. primary

114. This device displayed the speech \_\_\_\_\_ spectrographically.

*n.* an ordered array of colors into which a light beam can be split

115. He led a \_\_\_\_\_ life.

*adj.* not drunk or affected by alcohol; dignified in manner or character and committed to keeping promises

116. The MRI machine uses \_\_\_\_\_ to produce images of the body's internal organs.

*n.* an object or substance that can attract certain materials, such as iron or steel

117. This project took a lot of time to get the president's \_\_\_\_\_.

*n.* the belief that someone or something is good or acceptable

118. The \_\_\_\_\_ of the drought was a major concern for farmers.

*n.* the quality or condition of being severe, strict, or harsh

119. The royal family has much \_\_\_\_\_ scattered across the globe.

*n.* the descendants or offspring of a person, animal, or plant

120. It would be best if you burned off \_\_\_\_\_ through vigorous exercise.

*n.* unit of heat defined as the quantity of heat required to raise the temperature of 1 gram of water by 1 degree Celsius at atmospheric pressure, used by nutritionists to measure how much energy food will produce

121. The company specializes in manufacturing and selling cutting-edge \_\_\_\_\_.

*n.* the branch of physics and technology that deals with the behavior and control of electrons and the use of electronic devices and systems

ANSWERS: 114. spectrum, 115. sober, 116. magnets, 117. approval, 118. severity, 119. progeny, 120. calories, 121. electronics

122. Tech companies often employ \_\_\_\_\_ ducts and other materials in their office interiors.

*adj.* having no protection or shield from something, such as bad weather, attack, or criticism

123. The experiment yielded \_\_\_\_\_ results that support his theory.

*adj.* sturdy and healthy in form, constitution, or construction; strong enough to withstand or overcome intellectual challenges or adversity

124. He evaluated his chances for \_\_\_\_\_ rather pessimistically.

*n.* the state of continuing to exist or live, frequently in the face of difficulty or danger

125. When the first molecule in the \_\_\_\_\_ receives a signal, it activates other molecules.

*n.* a track that constitutes or serves as a path; an approach or a way of doing something

126. The speaker mounted the \_\_\_\_\_ and started to speak.

*n.* the raised flat space close to the track at a train station where passengers get on or off the train; (technology) a computational or digital environment in which a piece of software is executed

127. The \_\_\_\_\_ will repair my telephone tomorrow morning.

*n.* a person whose job is designing, building, or maintaining something such as machines, structures, or software

128. The \_\_\_\_\_ accident caused many injuries and some fatalities.

*adj.* having bad luck or fortune; unlucky

ANSWERS: 122. exposed, 123. robust, 124. survival, 125. pathway, 126. platform, 127. engineer, 128. unfortunate

129. I need to purchase a new English \_\_\_\_\_.
- n.* a reference book containing an alphabetical list of words and their definitions, as well as information about their origins, usage, and pronunciation
130. The product is still in the \_\_\_\_\_ stage.
- adj.* relating to or based on new ideas, forms, methods, etc. that have not been tried before, usually to find out what effect they have
131. Her \_\_\_\_\_ response to the criticism showed her ability to remain calm and composed under pressure.
- adj.* done with careful consideration or calculated precision; controlled or regulated in manner or speech; deliberate and thoughtful
132. The project's \_\_\_\_\_ made it difficult for the team to complete it on time.
- n.* the state or quality of being complicated or intricate and difficult to understand
133. The patient was diagnosed with a \_\_\_\_\_ in her lung.
- n.* a mass of diseased tissue that forms when cells in the body divide and grow in an uncontrolled way
134. He has terminal \_\_\_\_\_ cancer.
- n.* either of the two organs in the chest that people and some animals use for breathing
135. The \_\_\_\_\_ provided detailed feedback on the survey they completed.
- n.* a person who answers questions in a survey or research study, or someone who responds to a complaint or accusation
136. The investigation \_\_\_\_\_ several government agencies and is expected to take several months.
- v.* to include or affect someone or something as a necessary part of something else

ANSWERS: 129. dictionary, 130. experimental, 131. measured, 132. complexity, 133. tumor, 134. lung, 135. respondent, 136. involves

137. The researcher separated the nervous \_\_\_\_\_ for microscopic examinations.  
*n.* an ensemble of similar cells of the animal or plant that together carry out a specific function
138. He planted the \_\_\_\_\_ in the soil and waited for it to sprout.  
*n.* a small, hard, often round, a reproductive structure that contains a plant's genetic material and is capable of growing into a new plant
139. They \_\_\_\_\_ to make their dream come true.  
*v.* to try very hard to do, achieve, or obtain something
140. The patient has been experiencing \_\_\_\_\_ headaches for weeks.  
*adj.* occurring again, repeatedly, or frequently; returning
141. The \_\_\_\_\_ properties of this herb have been known to help with various ailments.  
*adj.* of or relating to the treatment or cure of disease
142. I \_\_\_\_\_ you to reconsider your decision before it's too late.  
*v.* to beg earnestly or desperately; to plead urgently for assistance or mercy
143. I need to \_\_\_\_\_ these documents for the upcoming audit.  
*v.* to categorize or group something according to a system or set of criteria; to assign something to a particular class or category based on its characteristics or properties
144. The pharmaceutical company unveiled its latest breakthrough drug for the \_\_\_\_\_ market.  
*n.* the branch of medicine that deals with the study and treatment of tumors, especially malignancies

ANSWERS: 137. tissue, 138. seed, 139. strived, 140. recurrent, 141. medicinal, 142. implore, 143. classify, 144. oncology

145. He felt \_\_\_\_\_ after receiving the rejection letter for his dream job.

*adj.* feeling disheartened, discouraged, or dejected; having a low or depressed spirit or mood

146. During pregnancy, the stomach generates less \_\_\_\_\_ than usual.

*n.* sour; water-soluble chemicals with a sour flavor; any of a variety of generally liquid compounds capable of reacting with and occasionally dissolving other materials

147. The company develops and sells \_\_\_\_\_ memory for use in computers and servers.

*n.* a material or substance that can conduct electricity under certain conditions but not others, often used in electronic devices

148. They found \_\_\_\_\_ cancer in an early stage.

*n.* either of the pair of organs in the female reproductive system that produces eggs; (of a plant) the organ that bears the ovules of a flower

149. You \_\_\_\_\_ a bill in the change machine, and the coins pop out.

*v.* to put something, usually a sharp object, into something; to restrict yourself to doing or using one certain thing and not change; (noun) a thin piece of wood or other material

150. If necessary, you can \_\_\_\_\_ the front seats forward.

*v.* to move or cause to move smoothly along a surface without interruption

151. He has a flair for \_\_\_\_\_.

*n.* the science dealing with the logic of quantities, shapes, spaces, and arrangement

ANSWERS: 145. down-hearted, 146. acid, 147. semiconductor, 148. ovary, 149. stick, 150. slide, 151. mathematics

152. A diversified plant species generally enhances beneficial \_\_\_\_\_ populations.

*n.* a tiny living thing

153. The president must have the highest \_\_\_\_\_ standards.

*adj.* of or relating to principles about what is right and wrong, or the branch of knowledge dealing with these

154. He does not \_\_\_\_\_ importance to these rumors.

*v.* to fasten, join, or connect one thing to another

155. The physician is reading the \_\_\_\_\_ related to medicine

*n.* a newspaper or magazine specialized in a specific topic or profession

156. Natural selection is an essential \_\_\_\_\_ in Darwin's theory of evolution.

*n.* a fundamental or essential part of something

157. The third season of the anime show has been \_\_\_\_\_.

*v.* to make something known or officially inform people about something

158. The heavy snow has been \_\_\_\_\_ since last morning.

*adj.* occurring or existing without a pause or interruption

159. Her \_\_\_\_\_ improvement in her grades resulted from her increased focus and effort.

*adj.* having a noticeable feature or distinctive quality; easily noticeable or obvious

160. My left arm became \_\_\_\_\_.

*adj.* unable to feel physical sensation and movement; not showing human feeling or sensitivity

ANSWERS: 152. organism, 153. ethical, 154. attach, 155. journals, 156. element, 157. announced, 158. continuous, 159. marked, 160. numb

161. Scientists are studying the human \_\_\_\_\_ to understand better how proteins work in the body.
- n.* the entire complement of proteins that can be expressed by a genome, cell, tissue, or organism, including all of its functional forms and modifications
162. The primary purpose of the \_\_\_\_\_ is pain relief.
- n.* the way in which someone deals with or behaves towards someone or something; medical care provided to a patient for an injury or illness.
163. The company \_\_\_\_\_ a portion of its profits to developing new products.
- v.* to give or distribute something, such as resources or duties, to someone or something for a particular purpose
164. The doctor diagnosed him with a rare \_\_\_\_\_ that had no known cure.
- n.* a disorder or illness that affects the body or mind, often characterized by specific symptoms or abnormal functioning of organs or systems
165. The latest therapies for acute \_\_\_\_\_ leukemia show promise in early clinical trials.
- adj.* originating from or relating to the bone marrow or spinal cord, specifically referring to the production or development of bone marrow cells
166. Our plan includes a comprehensive marketing \_\_\_\_\_.
- n.* a detailed plan of action designed to achieve a long-term or overall goal.
167. He accumulated wealth across a \_\_\_\_\_ spectrum of assets.
- adj.* very wide; general
168. Smoking places you at severe risk of \_\_\_\_\_ and respiratory disease.
- adj.* of or relating to the heart and blood vessels (= tubes that carry blood around the body)

ANSWERS: 161. proteome, 162. treatment, 163. allocated, 164. disease, 165. myelogenous, 166. strategy, 167. broad, 168. cardiovascular



169. The horror movie was so \_\_\_\_\_ that I couldn't watch it alone.

*adj.* causing fear or fright; frightening; intimidating

170. The nurse prepared an \_\_\_\_\_ of pain medication for the patient.

*n.* a liquid, especially one containing medicine that is introduced into the body through a vein, muscle, or joint; the act of adding such liquid

171. I'm so sorry to \_\_\_\_\_ you when you're pretty busy.

*v.* to prevent or stop something, especially an event, activity, or process, from continuing in the usual way by causing a problem or disturbance

172. She holds a \_\_\_\_\_ on Tuesday mornings.

*n.* a building or hospital department where people can go for medical care or advice, especially of a particular condition

173. You must \_\_\_\_\_ the software with a 16-digit key before you can use it.

*v.* make something start working, more active or dynamic

174. The room was only one \_\_\_\_\_ wider than the piano, making it a tight fit.

*n.* a unit of measurement of length in the metric system, equivalent to one-hundredth of a meter

175. We \_\_\_\_\_ a cease-fire.

*v.* to come to an end or close; to reach a judgment or opinion by reasoning

176. The two products \_\_\_\_\_ in their quality and price.

*v.* to be not like someone or something in some way

177. As a \_\_\_\_\_ he helped me realize my career.

*n.* a person who helps and advises a younger or less experienced person over time, usually at work or school

ANSWERS: 169. scary, 170. infusion, 171. disrupt, 172. clinic, 173. activate, 174. centimeter, 175. concluded, 176. differed, 177. mentor,

178. X-rays revealed a small tumor in his \_\_\_\_\_.

- n.* the organ inside the head that is responsible for one's movement, thought, memory, and feeling

179. His membership in the \_\_\_\_\_ provided him with numerous benefits.

- n.* a people or groups of people who have joined in a single organization together for a particular purpose; a social or business connection or relationship

180. I don't \_\_\_\_\_ acting in such an important role.

- v.* to want to do or have something; (noun) something that many people believe but that is false, or that does not exist; imagination or fantasy

181. The mRNA \_\_\_\_\_ was approved in less than a year because it did not contain the fragments of the target virus.

- n.* a substance that is put into the body and protects them from disease by causing them to produce antibodies (= proteins that attack harmful bacteria, viruses, etc.)

182. They walked through the \_\_\_\_\_ of trees and admired the natural beauty.

- n.* a small group of trees growing closely together

183. The sprinter has a \_\_\_\_\_ way of running.

- adj.* having a lot of energy, ideas, and enthusiasm, and a strong personality; of or relating to dynamics (= the branch of physics and engineering concerned with the forces that cause motions of bodies)

184. The company specializes in both hardware and \_\_\_\_\_.

- n.* a set of computer programs and associated documentation and data for doing particular computational jobs

ANSWERS: 178. brain, 179. association, 180. fancy, 181. vaccine, 182. grove, 183. dynamic, 184. software

185. An \_\_\_\_\_ climate in the region caused a sharp decline in grain harvest.  
*adj.* not typical, usual, or regular, especially in a way that is bad
186. The final result was nothing short of \_\_\_\_\_.  
*v.* to surprise or shock someone with wonder very much
187. Cities around the world set records for highest \_\_\_\_\_ this summer.  
*n.* the degree of hotness or coldness of a thing or place
188. Extensive areas of \_\_\_\_\_ plants are usually called marsh.  
*adj.* starting to exist or view, or to become known
189. The tornado is \_\_\_\_\_ across the countryside, destroying everything in its path.  
*v.* to cause something to rotate rapidly; to cause someone to feel dizzy or disoriented
190. I underwent aversion \_\_\_\_\_ for my addiction to alcohol.  
*n.* the act of caring for someone through medication, remedial training, etc.
191. As we age, we become more at risk for \_\_\_\_\_ a condition that weakens the bones in our bodies.  
*n.* a medical condition characterized by a loss of bone density or mass, resulting in fragile and porous bones that are at increased risk for fractures
192. A defective \_\_\_\_\_ is responsible for the disease.  
*n.* the fundamental unit of heredity and the sequence of nucleotides in DNA that codes for the creation of RNA or protein.

ANSWERS: 185. abnormal, 186. astounding, 187. temperatures, 188. emergent, 189. spinning, 190. therapy, 191. osteoporosis, 192. gene

193. Breast \_\_\_\_\_ is the most common type of cancer in women.

- n.* abnormal growth of cells that can invade and destroy surrounding tissues and organs; a disease characterized by the uncontrolled growth and spread of abnormal cells

194. This shirt will \_\_\_\_\_ in the wash.

- v.* to become smaller, or to make something smaller in size or amount

195. The cancer patient was delighted to hear that their disease was in \_\_\_\_\_.

- n.* a period of time when a disease or condition is no longer present or active; a lessening or reduction of symptoms or intensity; forgiveness or pardon for sins or debts

196. The cat arched its back and \_\_\_\_\_ at the approaching dog.

- v.* to make a sound similar to a sharp exhalation or steam escaping under pressure, often expressing disapproval, anger, or fear; to produce a sound that is shrill and prolonged, often resembling the hissing of a snake; (noun) a sound or noise made by a person or animal, characterized by a sharp, prolonged "s" sound

197. This pie \_\_\_\_\_ represents our market share.

- n.* a visual display of information such as a diagram, lists of figures, etc.; a map designed to assist navigation by air or sea

198. We \_\_\_\_\_ the payment because of an incorrect invoice.

- v.* to cause something to happen at a later time than originally intended or expected

199. The professor explained the \_\_\_\_\_ of the nervous system.

- n.* the scientific study that deals with the physical structure of humans, animals, or plants

ANSWERS: 193. cancer, 194. shrink, 195. remission, 196. hissed, 197. chart, 198. delayed, 199. anatomy

200. Understanding protein folding is a vital step in deciphering the \_\_\_\_\_ code.  
*adj.* of or relating to genes (= parts of the DNA in cells) or the science of genes
201. The invention of the camera triggered the development of \_\_\_\_\_ painting.  
*adj.* based on general ideas, feelings, or qualities and not on any a physical or concrete existence
202. The small island nation is heavily \_\_\_\_\_ on tourism as its main source of income.  
*adj.* relying on someone or something else for support or aid
203. A balanced \_\_\_\_\_ is more important for health than supplements.  
*n.* the food and drink that a person, animal, or community eats and drinks regularly; a legislative assembly in certain countries, for example, Japan
204. She received special \_\_\_\_\_ training at the hospital.  
*adj.* of or relating to the examination and treatment of patients rather than theoretical or laboratory studies
205. Please \_\_\_\_\_ to the instruction manual for further assistance.  
*v.* to direct someone's attention, thoughts, or questions to another source or person; to mention, cite, or allude to something as evidence or support
206. \_\_\_\_\_ prevalent in hospitals are often resistant to antibiotics.  
*n.* single-celled or noncellular spherical or spiral or rod-shaped organisms that exist in large numbers in the air, water, and soil, and also in living and dead creatures and plants, and are often a cause of disease
207. \_\_\_\_\_ weight is the sum of all the atoms.  
*adj.* of or relating to molecules (= a group of two or more atoms held together by attractive forces known as chemical bonds)

ANSWERS: 200. genetic, 201. abstract, 202. dependent, 203. diet, 204. clinical, 205. refer, 206. Bacteria, 207. Molecular

208. To find drunk drivers, police conduct \_\_\_\_\_ tests.

*adj.* made, done, or happening without method, conscious decision, or any regular pattern

209. There are \_\_\_\_\_ differences between the two wine-producing regions.

*adj.* easy to see, discover or understand

210. The recent \_\_\_\_\_ in grain prices is partly due to the war in the producing countries.

*n.* a narrow, thin, pointed piece of metal, wood, etc.; a sudden large increase in the magnitude or concentration of something

211. The \_\_\_\_\_ of Japan is known for its unique culture and advanced technology.

*n.* a large organized community of people living in a particular country or region and having a particular culture

212. Consumption of vegetables may aid in the prevention of \_\_\_\_\_ cancer.

*n.* the punctuation mark ( : ) used to introduce a list, summary, explanation, etc., or before reporting what someone has said; a significant part of the large intestine, the final section of the digestive system

213. The security camera has \_\_\_\_\_ four intruders.

*v.* to find or recognize something, especially something difficult to see, hear, etc.

214. He discovered unique \_\_\_\_\_ for photochemical reactions.

*n.* a part of a machine, or a set of parts that performs a task; a natural or established process that occurs during a specific situation or reaction

215. They carefully executed the well-planned \_\_\_\_\_ they had prepared over the years.

*n.* an organized and often large-scale plan or arrangement for doing something

ANSWERS: 208. random, 209. obvious, 210. spike, 211. nation, 212. colon, 213. detected, 214. mechanisms, 215. scheme

216. His \_\_\_\_\_ speech about his struggles with addiction brought tears to the audience's eyes.

*adj.* causing strong emotions or feelings, especially sadness or sympathy

217. Solar gravity creates \_\_\_\_\_ pressures and temperatures.

*adj.* very great in amount or degree

218. My initial reaction was to \_\_\_\_\_.

*v.* to show that one is not willing to do or accept something

219. The battlefield became \_\_\_\_\_ on earth.

*n.* the place thought to be where bad people go and are punished after death, often depicted as being located beneath the earth; an extraordinarily unpleasant or difficult place

220. The \_\_\_\_\_ deadline for submitting the project is tomorrow, so we need to work efficiently to finish on time.

*adj.* resolute or unwavering in decision-making or action; strong or secure in structure, make, or composition; reliable, trustworthy, or dependable; (noun) a business or company

221. They study the \_\_\_\_\_ of the universe.

*n.* a gradual process of transformation of living things

222. He is like an exact \_\_\_\_\_ of his brother.

*n.* a plant or animal whose genetic information is identical to that of a parent organism from which it was created; an unauthorized copy or imitation

223. This region has many \_\_\_\_\_ offering higher education.

*n.* an organization that has a specific purpose, particularly one dealing with science, education, or a particular profession; (verb) to initiate, introduce, or establish something

ANSWERS: 216. moving, 217. extreme, 218. refuse, 219. hell, 220. firm, 221. evolution, 222. clone, 223. institutes

224. mRNA vaccines are approved faster because they do not contain inactivated \_\_\_\_\_.
- n.* a bacterium, virus, or other microorganism that causes disease
225. The computer hard drive had plenty of storage space but was running low on available \_\_\_\_\_.
- n.* a unit of digital information that consists of 8 bits, typically used to represent a single character of text or a small amount of computer code
226. She took the recommended \_\_\_\_\_ of medication to treat her headache.
- n.* a quantity or amount of medicine or a drug that is taken or administered at one time, typically measured out in specific units; a similar measure of exposure to a harmful substance or radiation
227. The world \_\_\_\_\_ showed me the locations of all the countries.
- n.* a book of maps or charts; a figure in Greek mythology who bore the weight of the world on his shoulders
228. In this particular field, his work \_\_\_\_\_ over all others.
- v.* to be the most powerful, important, or frequent; to be more common or prevalent than others
229. The company's profits have increased \_\_\_\_\_ since implementing the new strategies.
- adv.* significantly or noticeably; in a way that stands out or is distinct; with clear or evident change or difference
230. You might need to \_\_\_\_\_ this point.
- v.* to enhance something, particularly sound or brightness

ANSWERS: 224. pathogens, 225. bytes, 226. dose, 227. atlas, 228. predominated, 229. markedly, 230. amplify



231. The news of the accident was \_\_\_\_\_ and left many in shock.

*adj.* extremely or surprisingly bad, or causing a strong emotional response such as surprise or disgust

232. He \_\_\_\_\_ to the problem but did not mention it directly.

*v.* to suggest or make reference to something indirectly

233. The government established by the coup was more \_\_\_\_\_ than before.

*adj.* relating to the essential aspects of anything; far beyond the norm, mainly used of opinions and actions

234. Every human is responsible for taking care of the Earth's \_\_\_\_\_.

*n.* the natural world such as air, water, and land in which humans, animals, and plants live

235. The \_\_\_\_\_ report showed no signs of cancer, giving her family a sense of relief.

*n.* the study of the nature and cause of diseases and disorders; the medical specialty that deals with the diagnosis and treatment of diseases and disorders

236. The doctor carefully examined the \_\_\_\_\_ medical history.

*n.* a person who is receiving medical treatment, care, or attention from a healthcare professional, such as a doctor, nurse, or therapist; a personal quality or characteristic

237. The doctor warned him that his \_\_\_\_\_ condition put him at risk for numerous health problems.

*adj.* excessively overweight, particularly to the point of being a serious health risk; having a body mass index (BMI) of 30 or more

ANSWERS: 231. shocking, 232. alluded, 233. radical, 234. environment, 235. pathology, 236. patient's, 237. obese

238. The statement had a \_\_\_\_\_ impact on house prices.

*adj.* very sudden, very excellent, or full of action and excitement

239. The shipwreck \_\_\_\_\_ was rescued after floating in the ocean for three days.

*n.* a person who remains alive after an event in which others have died

240. The patient will undergo \_\_\_\_\_ transplant surgery tomorrow.

*n.* a large organ in the body, involved in many metabolic processes, such as detoxification of the organism, and the synthesis of proteins

241. An \_\_\_\_\_ tide wrecked the ship.

*adj.* behaving in an angry, energetic, or threatening way towards another person; tending to spread quickly

242. I need to go to the hospital \_\_\_\_\_ to pick up my prescription.

*n.* a place where medicines are prepared and dispensed; a drugstore or chemist's

243. I can't see any \_\_\_\_\_ between these two concepts.

*n.* a difference or contrast between similar things or people

244. The golfer recorded an \_\_\_\_\_ distance.

*adj.* extremely surprising, especially in a way that you like or admire

245. Leprosy is an indolent \_\_\_\_\_ disease.

*adj.* able to be passed quickly from one person, animal, or plant to another, especially through air or water

246. In just four years, the \_\_\_\_\_ has doubled.

*n.* the total number of people in a country, region, or location

ANSWERS: 238. dramatic, 239. survivor, 240. liver, 241. aggressive, 242. pharmacy, 243. distinction, 244. amazing, 245. infectious, 246. population

247. \_\_\_\_\_ hyperglycemia is a trigger for a variety of serious diseases.  
*adj.* being long-lasting and recurrent or characterized by long suffering; habitual
248. As an \_\_\_\_\_ he had the right to make his own decisions and live his life as he saw fit.  
*n.* a single person or thing, as distinct from a group
249. The nomadic tribes set up camp on the vast \_\_\_\_\_.  
*n.* a vast, wide, and usually treeless plain, typically found in semi-arid or arid regions, characterized by fertile soil and grassy vegetation, often used for grazing livestock; an expansive and open grassland ecosystem found in Eurasia and North America
250. The artist used a \_\_\_\_\_ paint can to create a graffiti mural on the wall.  
*n.* a fine mist of liquid that is dispersed into the air; flower arrangement consisting of a single branch or shoot bearing flowers and foliage
251. The \_\_\_\_\_ train was packed with commuters during rush hour.  
*n.* a cylindrical container of metal, plastic, glass, etc., usually sealed and used as a means of preserving food or chemicals; a hollow cylindrical shape

ANSWERS: 247. Chronic, 248. individual, 249. steppe, 250. spray, 251. tube