

# Englist.me



## Vocabulary Builder Reference from...

*Melissa J. Moore: How mRNA medicine will change the world | TED Talk*

[https://www.ted.com/talks/melissa\\_j\\_moore\\_how\\_mrna\\_a\\_medicine\\_will\\_change\\_the\\_world](https://www.ted.com/talks/melissa_j_moore_how_mrna_a_medicine_will_change_the_world)

### All Words

#### IMPORTANT

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## Session 1: Word List

### messenger

*n.* someone or something that carries a message, especially one sent to convey information, news, or an official document

*synonym*: courier, transmitter, envoy

(1) **messenger** app, (2) a secret **messenger**

An mRNA vaccine is a type of vaccine that uses a copy of a molecule called **messenger** RNA.

### 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.

### 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.

## incredibly

*adv.* in a way that is very difficult to believe; exceedingly or extremely

*synonym*: enormously, exceptionally, extraordinarily

(1) **incredibly** cheerful character, (2) get **incredibly** insecure

Several cities are experiencing **incredibly** high unemployment rates.

## 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.

## 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.

## 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.

## instruction

*n.* detailed direction, order, etc., on how to do or use something

*synonym*: education, direction, guidance

(1) individual **instruction**, (2) follow his **instructions**

They needed further **instruction** to perform their duties efficiently.

## advent

*n.* the arrival or beginning of something; the coming of Jesus Christ at his birth

*synonym* : coming, arrival, approach

(1) **advent** calendar, (2) celebrate the **advent** of spring

The **advent** of the internet has dramatically changed the way we communicate.

## mRNA

*n.* (an abbreviation for messenger RNA) a single-stranded molecule of RNA that corresponds to the genetic sequence of a gene, and is read by a ribosome in the process of synthesizing a protein

(1) **mRNA** translation, (2) nuclear **mRNA**

The **mRNA** vaccine can expedite many approval processes because it does not contain a virus.

## herald

*v.* to be a sign or indication of something to come; to proclaim or announce something publicly, often with great enthusiasm or fanfare

*synonym* : announce, proclaim, declare

(1) **herald** the news, (2) **herald** a new era

The sound of the trumpet **heralded** the arrival of the king.

## entirely

*adv.* completely

*synonym* : completely, fully, totally

(1) **entirely** satisfied with the meal, (2) he was **entirely** to blame

Later, his claim was found to be **entirely** false.

## intractable

*adj.* difficult to manage or control; stubborn or obstinate

*synonym* : obstinate, stubborn, unyielding

(1) **intractable** pain, (2) **intractable** situation

The **intractable** problem defied a solution.

## disorder

*n.* an untidy state or a lack of organization; a physical condition or illness that causes problems with how a section of the body or brain functions

*synonym* : chaos, disturbance, disease

(1) the files are in complete **disorder**, (2) people with bipolar **disorder**

The doctor prescribed some medicine for the mental **disorder**.

## 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.

## 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.

## fraction

*n.* a small part or item forming a piece of a whole; the quotient of two rational numbers

*synonym*: piece, part, fragment

(1) a **fractional** share of the vote, (2) a numerator in a **fraction**

He spent only a **fraction** of his earnings.

## complicated

*adj.* involving a lot of different things or parts in a way that is difficult to understand or analyze

*synonym*: complex, convoluted, intricate

(1) a **complicated** process, (2) become increasingly **complicated**

He did **complicated** pen-and-ink drawings in just a few days.

## ecosystem

*n.* all the plants and living creatures in an area and the way they affect each other and the environment

(1) marine **ecosystem**, (2) change the **ecosystem**

Human conservation efforts often fail unexpectedly because

they disturb the balance of the **ecosystem**.

## myriad

*adj.* a very large number

*synonym* : numerous, countless, infinite

(1) **myriad** differences, (2) a **myriad** of choices

The artist featured **myriad** colors and patterns, creating a vibrant and dynamic piece.

## interconnect

*v.* to connect similar things

*synonym* : interlink, complect, annex

(1) directly **interconnect** with those systems, (2) human activities **interconnect** with the environment

Our system can now **interconnect** with other databases.

## structure

*n.* the way of construction of something and the arrangement of its parts, or a complex thing constructed of many parts

*synonym* : construction, architecture, establishment

(1) the **structure** of a machine, (2) **structure** and function of the brain

The organizational **structure** of start-ups is often flat and straightforward.

## capture

*v.* to catch a person or an animal and confine them in an area which they cannot escape

*synonym* : catch, arrest, imprison

(1) **capture** a glimpse, (2) **capture** customers' hearts

I was able to **capture** the moment on film.

## incredible

*adj.* unbelievable; enormous

*synonym* : unbelievable, fantastical, inconceivable

(1) **incredible** amount, (2) at **incredible** speed

Her response revealed **incredible** idiocy.

## generic

*adj.* not specific; not linked to a particular brand or product

*synonym* : common, ordinary, typical

(1) a **generic** product, (2) **generic** version

The **generic** aspirin brand was just as effective as the name brand but much cheaper.

## clue

*n.* an object, a piece of evidence, or some information that helps someone to find the answer to a problem, question, or mystery

*synonym*: hint, indication, inkling

(1) a **clue** about the crime, (2) a **clue** to the diagnosis

The police couldn't find a **clue** to her whereabouts.

## 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.

## architecture

*n.* the art and science of designing and constructing buildings

*synonym*: design, structure, layout

(1) **architecture** design, (2) classic **architecture**

The city is known for its impressive **architecture** and beautiful old buildings.

## monolithic

*adj.* characterized by massiveness, rigidity, and uniformity

*synonym*: massive, monumental, hulking

(1) **monolithic** block, (2) **monolithic** system

Big technology companies try to integrate customers' data into **monolithic** applications.

## collagen

*n.* a fibrous protein that forms the connective tissues in animals, including skin, tendons, and bone; often used in cosmetic and medical treatments for its ability to add firmness and elasticity to skin or other tissues

*synonym*: gelatin, protein, tissue

(1) **collagen** supplement, (2) **collagen** production

Our natural **collagen** production decreases as we age, leading to wrinkles, sagging skin, and joint pain.

## pliable

*adj.* flexible; easy to bend without breaking or cracking

*synonym* : flexible, bendable, malleable

(1) **pliable** dough, (2) keep the skin **pliable**

Certain types of plastic become **pliable** when heated.

## actin

*n.* a protein found in muscle tissue that is involved in muscle contraction and movement

*synonym* : protein, molecule, filament

(1) **actin** protein, (2) **actin** polymerization

The **actin** filaments are responsible for maintaining cell shape and movement.

## myosin

*n.* a type of protein found in muscle tissue that is responsible for muscle contraction and movement

*synonym* : actin, myocyte, muscle fiber

(1) **myosin** protein, (2) muscle **myosin**

ATP molecules power the motor activity of **myosin**.

## hemoglobin

*n.* a protein-based molecule found in red blood cells that transports oxygen throughout the body

*synonym* : red cell pigment, oxygen carrier

(1) **hemoglobin** level, (2) abnormal **hemoglobin**

The **hemoglobin** gene mutation can cause genetic disorders such as sickle cell disease.

## ferry

*n.* a boat or ship used to transport people, vehicles, or goods across a body of water, especially on a regular schedule

*synonym* : ferryboat, water taxi, barge

(1) **ferry** service, (2) **ferry** terminal

The **ferry** across the river offers a convenient transportation option for commuters.

## oxygen

*n.* the chemical element with the symbol O that is present in air and water and is necessary for people, animals, and plants to live

(1) the hydrogen binds the **oxygen**, (2) lack of **oxygen**

The passenger grabbed for the **oxygen** mask.

## antibody

*n.* a substance produced in the blood that attacks and kills harmful bacteria, viruses, etc., to fight disease

(1) produce **antibody**, (2) **antibody** against bacteria

This pharmaceutical company is developing **antibody** drugs with fewer side effects.

## clot

*n.* a thick mass or lump of coagulated liquid, especially blood; a group of people or things that form an obstructive, unsympathetic, or resistant force

*synonym* : clump, coagulation, thrombus

(1) blood **clot**, (2) **clot** prevention

The **clot** in the blood vessel required immediate medical attention.

## crack

*v.* to break or cause to break without dividing into separate parts; (noun) a line on the surface of something along which it has separated without breaking

*synonym* : snap, burst, break

(1) **crack** an eggshell, (2) a **crack** in a board

He that would eat the kernel must **crack** the nut.

## biochemical

*adj.* relating to the chemical processes and substances that occur within living organisms

*synonym* : molecular, biological

(1) **biochemical** reaction, (2) complex **biochemical**

**Biochemical** research is essential to understanding the complex chemical reactions in living organisms.

## metabolism

*n.* the set of chemical reactions in cells or organisms that are necessary for life-sustaining

(1) **metabolism** enzyme, (2) hemoglobin **metabolism**



Better sleep leads to increased **metabolism**.

## 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.

## reaction

*n.* a response that reveals a person's feelings or attitude; (in chemistry) a process in which one or more substances are changed into others

*synonym* : response, reply, answer

(1) chemical **reaction**, (2) trigger a **reaction**

There was a chemical **reaction** of the lime with the groundwater.

## catalyst

*n.* a person or thing that causes an important event to happen or changes the current situation rapidly; (chemistry) a substance that initiates or accelerates a chemical reaction without being changed itself

*synonym* : accelerator, stimulant, motivation

(1) a **catalyst** in the process of hydrolysis, (2) **catalyst** for reform

The global financial crisis acted as a **catalyst** to unite the country.

## bulk

*n.* the quantity or size of something that is very large; the main part of something

*synonym* : majority, largeness, amount

(1) buy in **bulk**, (2) **bulk** data transfer

I received a parcel of great **bulk**.

## tick

*n.* a light, sharp, repetitive sound or action; a mark indicating that something is correct or has been done; any of two families of small parasitic arachnids with barbed proboscis

*synonym* :

sound, noise, beat

(1) **tick** of the clock, (2) **tick** fever

I always put a **tick** mark next to the items on my grocery list after buying them.

## arrange

v. to plan, prepare for, and carry out something

*synonym*: set up, order, organize

(1) **arrange** the meeting, (2) the list was **arranged** alphabetically

I need to **arrange** plans with him for the celebration.

## 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.

## zoom

v. to move along very quickly; (noun) the act of rising upward into the air

*synonym*: move quickly, dive, buzz

(1) **zoom** in on a photo, (2) **zoom** lens

He **zoomed** back in time to the soccer game.

## unravel

v. undo twisted, knitted, or woven threads by separating it

*synonym*: separate, unknot, ravel

(1) **unravel** a knit, (2) **unravel** a plot

Detectives are still attempting to **unravel** the mystery of his death.

## dimension

n. a measurable extent of a particular kind, such as width, height, or length

*synonym*: extent, measurement, size

(1) new **dimension**, (2) the crosswise **dimension**

Overall **dimensions** are approximately 400x200mm.

## string

n. long, thin material used for tying things together, composed of several twisted threads

*synonym* : line, wire, rope

(1) retie the **string** and make it strong, (2) tense piano **strings**

She wore a **string** of pearls around her neck.

## propensity

*n.* a natural inclination, preference, or tendency toward a particular activity, behavior, or opinion

*synonym* : tendency, inclination, disposition

(1) **propensity** for violence, (2) **propensity** to procrastinate  
His **propensity** for lying caused him to lose many friends.

## interact

*v.* to communicate or react with somebody

*synonym* : cooperate, combine, collaborate

(1) **interact** directly with customers, (2) **interact** with one another

He should **interact** more with his colleagues.

## chain

*n.* a series of connected links or objects; a system or group of interconnected elements; a restraint or shackle

*synonym* : series, string, link

(1) **chain** reaction, (2) supply **chain**

The **chain** on my bike broke, leaving me stranded.

## maintain

*v.* to continue to uphold or sustain; to keep in a particular state or condition; to assert or declare something to be true

*synonym* : preserve, uphold, sustain

(1) **maintain** order, (2) **maintain** good health

I need to **maintain** my car regularly to prevent any major mechanical issues.

## combine

*v.* to join or merge to form a single thing or group

*synonym* : coalesce, cohere, blend

(1) **combine** chemically with another substance,  
(2) **combine** augmented reality

Hydrogen and oxygen **combine** to form water.

## mind-blowing

*adj.* extremely impressive in a way that affects someone's mind or emotions

*synonym*: amazing, incredible, shocking

(1) **mind-blowing** discovery, (2) a **mind-blowing** horror story

The **mind-blowing** effects of the psychedelic drug were unlike anything he had ever experienced.

## trillion

*n.* the number 1,000,000,000,000; a million million

(1) **trillion** cubic feet, (2) many **trillions** of dollars

One light year is nearly 6 **trillion** miles.

## molecule

*n.* a group of two or more atoms held together by attractive forces known as chemical bonds

*synonym*: particle, element, atom

(1) small **molecules**, (2) **molecule** behavior

The shape of the DNA **molecule** is a double helix.

## universe

*n.* everything that exists, especially all physical matter, including planets, stars, galaxies, and all other forms of matter and energy

*synonym*: cosmos, macrocosm

(1) theory of the **universe**, (2) expansion of the **universe**

The **universe** is about 13.8 billion years old.

## rod

*n.* a long, thin, straight piece of wood, metal, or other material used for support, as a weapon, or for punishment

*synonym*: stick, wand, staff

(1) **rod** cell, (2) curtain **rod**

He used a fishing **rod** to catch the biggest fish of the day.

## cone

*n.* a geometric shape that tapers to a point at one end and has a circular base at the other end

(1) traffic **cone**, (2) ice cream **cone**

**Cone-shaped** cells in the eye's retina are responsible for color vision and visual acuity.

## 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.

## 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.

## 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**.

## interpret

*v.* to explain or assign the meaning of information, actions, etc.

*synonym* : decode, decipher, analyze

(1) **interpret** a graph, (2) **interpret** the question

Different people might **interpret** this news differently.

## unique

*adj.* being the only one of its kind; unlike anything else

*synonym* : one-of-a-kind, unparalleled, incomparable

(1) a **unique** teacher, (2) **unique** design

The painting is **unique**, and there is no other like it.

## 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.

## process

*n.* a series of actions or operations performed to achieve a particular outcome or goal; a systematic procedure or approach used to accomplish a specific task or objective; a method of treating milk to make it suitable for consumption or use in other dairy products

*synonym*: procedure, method, system

(1) **process** improvement, (2) decision-making **process**

The **process** for applying for a visa can be lengthy and complicated.

## synthesis

*n.* the combination of components or elements to form a more complex whole; the creation of something new through combining parts or elements

*synonym*: combination, integration, compound

(1) **synthesis** of ammonia, (2) protein **synthesis** inhibitor

The chemical **synthesis** of the new drug was a breakthrough in medical research.

## tight

*adj.* fixed, fastened, or kept together firmly or closely

*synonym*: closed, secured, cramped

(1) a **tight** game, (2) student on a **tight** budget

The national election was held amid **tight** security.

## regulate

*v.* to control something, especially by means of rules or laws

*synonym*: control, restrain, handle

(1) **regulate** blood sugar levels, (2) **regulate** our conduct

We must manage to **regulate** our expenditure.

## occasional

*adj.* happening or appearing at irregular intervals; not constant or regular

*synonym*: infrequent, sporadic, irregular

(1) **occasional** visitor, (2) **occasional** assistance

She only visited her grandparents on **occasional** weekends.

## algorithm

*n.* a set of rules or rigorous instructions typically used to solve a specific problem or to perform a computation

*synonym* : logic, method, rule

(1) the RSA **algorithm**, (2) **algorithm** for image processing  
We can evaluate the performance of an **algorithm** in terms of computation time.

## estimate

*v.* to guess or calculate the cost, size, value, etc. of something

*synonym* : calculate, gauge, evaluate

(1) **estimate** a fair value, (2) **estimate** this chicken to weigh three pounds

We **estimated** the season's total trade deficit at \$50 billion.

## lifelong

*adj.* lasting for the whole of someone's life

*synonym* : enduring, eternal, permanent

(1) **lifelong** career, (2) **lifelong** commitment

He had a **lifelong** love of reading and spent hours daily with a book.

## complication

*n.* something that makes a situation or condition that is complex or confused

*synonym* : confusion, complexity, difficulty

(1) **complication** of structure, (2) resolve without **complication**

He also continued to struggle with serious long-term **complications**.

## inborn

*adj.* existing naturally from birth; innate or inherent; often used to refer to traits or characteristics that are genetically determined

*synonym* : innate, inherent, natural

(1) **inborn** talent, (2) **inborn** characteristics

The scientist's **inborn** sense of logic made her a rigorous and precise thinker.

## glycogen

*n.* a complex carbohydrate that is stored in the liver and muscles and broken down into glucose for energy when needed

*synonym* : storage carbohydrate, energy reserve, animal starch

(1) **glycogen** storage, (2) **glycogen** synthesis

The liver produces and stores **glycogen** for the body to use as a source of energy.

## storage

*n.* the act or process of putting in and keeping something in a particular place for use in the future; an electronic memory device that can store information

*synonym* : storehouse, depository, warehousing

(1) a **storage** battery, (2) **storage** at low temperature

We store customer data in cloud **storage**.

## release

*v.* to set free or allow to escape from confinement

*synonym* : free, let go, discharge

(1) **release** a prisoner, (2) **release** CO2 into the air

The animal rights group worked to **release** the dolphins back into the wild.

## constantly

*adv.* all the time

*synonym* : continuously, always, frequently

(1) a **constantly** innovative enterprise, (2) a **constantly** varying mind

The mobile application industry is **constantly** changing.

## carbohydrate

*n.* (also carb) any of a class of organic compounds that includes sugars, starch, and cellulose and are a principal source of energy in the diet of animals

*synonym* : sugar, starch, cellulose

(1) complex **carbohydrate**, (2) **carbohydrate** metabolism

Foods high in **carbohydrates** include bread, pasta, and rice.

## cornstarch

*n.* a fine, powdery flour made from the starch of corn kernels, used as a thickener in cooking or for other industrial purposes

*synonym* : corn flour, cornmeal, maize flour

(1) **cornstarch** slurry, (2) **cornstarch** pudding



A mixture of vinegar and **cornstarch** can be used to clean silverware.

**toll** *n.* money that you have to pay to use a particular road, bridge, etc.; (verb) to ring slowly  
*synonym* : fee, cost, expense  
(1) a **toll** road, (2) **toll** a bell at his death  
There is no **toll** car park nearby.

**severe** *adj.* extremely serious or bad in feeling, manner, or strict and harsh; extremely strong or vigorous  
*synonym* : harsh, relentless, powerful  
(1) **severe** heat, (2) a **severe** case of pneumonia  
The senator received **severe** criticism from his opponent.

**hypoglycemia** *n.* a medical condition characterized by abnormally low blood sugar levels, often causing symptoms such as weakness, sweating, confusion, and dizziness  
*synonym* : low blood sugar, insulin reaction, insulin shock  
(1) **hypoglycemia** symptoms, (2) **hypoglycemia** diet  
The doctor recommended frequent monitoring of blood sugar levels to prevent **hypoglycemia**

**seizure** *n.* the action of taking something from somebody by the use of legal authority; a sudden occurrence or recurrence of a disease  
*synonym* : confiscation, expropriation, takeover  
(1) **seizure** of a debtor's property, (2) a heart **seizure**  
Customs have made their biggest ever **seizure** of cocaine.

**endless** *adj.* having no end or conclusion; infinitely very large in size or amount  
*synonym* : infinite, ceaseless, boundless  
(1) **endless** possibilities, (2) **endless** hours  
He looked out the window at the **endless** stream of people.

## cycle

*n.* an interval during which a recurring sequence of events occurs; a bicycle or motorcycle

*synonym* : revolution, rotation, bike

(1) the **cycle** of the seasons, (2) go to the workplace by **cycle**

The food chain causes a material **cycle**.

## plague

*n.* any epidemic disease with a high death rate; (also called pest) a serious, sometimes fatal, infection spread by rats that causes fever and swellings on the body

*synonym* : epidemic, pandemic, pest

(1) catch the **plague**, (2) deadly **plague**

Our farm experienced a **plague** of locusts this year.

## 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.

## puberty

*n.* the process of a person's physical changes through which their sexual organs develop and become capable of reproduction

*synonym* : adolescence, young adulthood

(1) at the height of **puberty** ., (2) the onset of **puberty**

In this culture, men are initiated when they reach **puberty**.

## frequent

*adj.* happening constantly

*synonym* : periodic, recurring, routine

(1) **frequent** absence, (2) **frequent** use

His heartaches are less **frequent** now.

## infection

*n.* a condition in which pathogenic microorganisms or viruses have entered the body

*synonym* : contagion, disease, transmission

(1) a bacterial **infection**, (2) treat the **infection** with antibiotics

Hospitals must meet various standards to prevent nosocomial **infections**.

## kidney

*n.* either of a pair of small organs in the body that filter waste products, especially urea, from the blood and excrete them and water in urine

(1) an artificial **kidney**, (2) chronic **kidney** disease

The surgeon removed the healthy **kidney** from the donor.

## 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.

## 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.

## academic

*adj.* associated with schools, colleges, and universities, especially studying and thinking, not with practical skills

*synonym*: educational, scholarly, theoretical

(1) **academic** probation, (2) an **academic** discussion

An excellent historian must possess an **academic** mentality.

## curiosity

*n.* a strong desire to know or learn about something

*synonym*: interest, inquisitiveness, novelty

(1) boundless **curiosity**, (2) satisfy my intellectual **curiosity**

We are motivated by **curiosity** rather than necessity.

## 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.

## 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.

## compose

*v.* to write music, poetry, or formal writing; to constitute or make up a whole, or a specified part of it

*synonym*: compile, constitute, build

(1) **compose** an essay, (2) **compose** my thoughts

The structure is **composed** of three main components.

## 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.

## imply

*v.* to indicate the truth or existence of something without referring to it

*synonym*: hint, indicate, denote

(1) **imply** a strong correlation, (2) **imply** the presence of alien

The salespeople speak in technical terms to **imply** that they are more knowledgeable than the customer.

## translate

*v.* to convert or change words into another language

*synonym*: convert, transcribe, render

(1) **translate** a document into English, (2) **translate** the emotion to a movement

**Translate** the text from Italian into English.

## chock-full

*adj.* completely filled or crowded with something; having no space or room for additional things

*synonym*: full, crowded, jam-packed

(1) **chock-full** schedule, (2) **chock-full** of flavor

The picnic basket was **chock-full** of sandwiches, fruit, and drinks.

## essential

*adj.* indispensable; fundamental

*synonym*: critical, crucial, basic

(1) **essential** amino acid, (2) **essential** commodities of life

Trial and error is an **essential** part of education.

## 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.

## consume

*v.* to spend something, especially fuel, energy, or time, in a large amount

*synonym*: absorb, ingest, use up

(1) **consume** a large of alcohol, (2) **consume** electricity

A smaller car will **consume** less fuel.

## continually

*adv.* in a way that happens without interruption or repeatedly

*synonym*: repeatedly, frequently, constantly

(1) **continually** access information, (2) **continually** changing world

Her tongue runs on **continually**.

## destruction

*n.* the act of causing so much damage to something

*synonym*: devastation, annihilation, ruin

(1) path of **destruction**, (2) cyclonic **destruction**

The extinction of several subspecies has been linked to climate change and habitat **destruction**.

## rebuild

*v.* to build again or anew

*synonym*: reconstruct, renovate, restore

(1) **rebuild** a company, (2) **rebuild** communities

They are planning to **rebuild** the house after the fire.

## feat

*n.* a notable or impressive achievement, especially one that requires great skill or bravery

*synonym*: achievement, accomplishment, exploit

(1) intellectual **feat**, (2) **feat** accomplishment

It is an incredible **feat** to climb Mount Everest, the highest mountain in the world.

## circadian

*adj.* relating to a physiological cycle that lasts approximately 24 hours, impacting physical and behavioral changes that occur over the course of a day, such as sleep-wake cycles or fluctuations in hormones

*synonym*: daily, diurnal, day-to-day

(1) **circadian** clock, (2) **circadian** disruption

Having a consistent sleep schedule is important for maintaining a healthy **circadian** rhythm.

## disappear

*v.* to cease to exist or be visible

*synonym*: fade, evaporate, vanish

(1) **disappear** without a trace, (2) **disappear** after a week

They watched the train **disappear** into the distance.

## accomplished

*adj.* having completed a task or achieved a goal successfully; skilled or proficient at something

*synonym*: achieved, finished, completed

(1) **accomplished** at a very early age, (2) **accomplished** goal

She felt **accomplished** after finishing her book.

## encode

*v.* to convert information into a code or format suitable for storage or transmission

*synonym*: transcribe, convert

(1) **encode** data, (2) **encode** information

The software can **encode** and decode encrypted messages.

## duration

*n.* the length of time something lasts or continues

*synonym* : period, span, course

(1) the **duration** of insurance, (2) short **duration**

The military incarcerated him for the **duration** of the war.

## 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.

## 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.

## transient

*adj.* lasting only for a short time; not permanent or enduring

*synonym* : temporary, fleeting, passing

(1) **transient** population, (2) **transient** feeling

The hotel is only suitable for **transient** stays, as it does not offer long-term accommodations.

## induce

*v.* to persuade someone to do something; to cause to act in a specific manner

*synonym* : cause, encourage, persuade

(1) **induce** a crisis, (2) **induce** him to see a doctor

The lack of sleep **induces** both physical and psychological diseases.

## suffice

*v.* to be enough or sufficient; to meet the needs or requirements of something or someone; to satisfy or fulfill a purpose

*synonym* : satisfy, meet, be enough

(1) **suffice** to live, (2) **suffice** as evidence

Would one cup of flour **suffice** for this recipe?

## 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.

## 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.

## recruit

*v.* to persuade someone to work for a company; to find new members for an organization, the armed forces, etc.

*synonym* : raise, enroll, enlist

(1) **recruit** a good worker, (2) **recruit** a new hire

The colonial government **recruited** militia support when civil war broke out.

## tsunami

*n.* a huge ocean wave caused by an earthquake, volcano, or other disturbance

*synonym* : tidal wave, seismic sea wave

(1) **tsunami** warning, (2) **tsunami** relief

The earthquake- **tsunami** caused widespread destruction along the coast.

## surgery

*n.* medical treatment of injuries or diseases involving an incision with instruments and often removing or replacing some parts of the body; the branch of medical



science that treats disease or injury by operative procedures

*synonym* : operation, (medical) procedure

(1) cardiac **surgery**, (2) the professor of **surgery**

He had undergone heart **surgery** years before.

## inject

*v.* to put a liquid such as a drug or other substance into a person's or an animal's body using a needle and syringe (= small tube)

*synonym* : shoot, infiltrate, insinuate

(1) **inject** under the skin, (2) **inject** a personal opinion into a debate

Let's try to **inject** a bit of enthusiasm into your performance.

## vessel

*n.* a ship or large boat

*synonym* : boat, ship, craft

(1) blood **vessels**, (2) naval **vessels**

The **vessel** arrived in port the following day.

## clog

*v.* to obstruct or block up (a passage, pipe, or system) with an accumulation of thick or sticky matter; to impede or hinder the progress or movement of something

*synonym* : block, jam, obstruct

(1) **clog** a filter, (2) **clog** artery

The drain was **clogged** with hair and needed to be cleaned out.

## artery

*n.* one of the thick tubes in humans and most other animals that takes blood away from the heart to one or more parts of the body such as tissues, lungs, brain, etc.

*synonym* : blood vessel, channel, roadway

(1) **artery** blockage, (2) risk of coronary **artery** disease

Continuous consumption of fatty foods leads to the hardening of the **artery**.

## repeatedly

*adv.* again and again; many times

*synonym* :

frequently, over and over, constantly

(1) use cell phone **repeatedly**, (2) **repeatedly** nod

He claims that his legitimate requests were **repeatedly** ignored.

## immune

*adj.* protected against a particular disease or toxin due to the presence of specific antibodies or sensitized white blood cells

*synonym*: resistant, unsusceptible, unaffected

(1) **immune** from criminal prosecution, (2) the cell of the **immune** system

The vaccination does not necessarily make you completely **immune**.

## aim

*v.* to try or plan to get or achieve something

*synonym*: aspire, direct, target

(1) **aim** at a specific target, (2) **aim** to be a nurse

We **aim** for an overseas expansion.

## turnaround

*n.* the amount of time needed to prepare a vessel or ship for a return trip; a change or improvement in the condition, performance, or affairs of something

*synonym*: recovery, improvement, reversal

(1) miraculous **turnaround**, (2) **turnaround** strategy

The company's **turnaround** was a result of new management strategies.

## manufacture

*v.* to make goods in large numbers, usually in a factory using machines

*synonym*: create, fabricate, assemble

(1) **manufacture** an enzyme, (2) **manufacture** a product

The majority of synthetic vitamins are **manufactured** from oil.

## know-how

*n.* practical knowledge, skills, or experience in a particular field or area, often acquired through personal experience or training

*synonym*:

expertise, skill, knowledge

(1) **know-how** transfer, (2) share **know-how**

Her culinary **know-how** helped her create an impressive menu for the party.

## 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.

## virus

*n.* a tiny infectious organic material that causes disease in people, animals, and plants

*synonym*: bacterium, germ, ailment

(1) spread of the **virus**, (2) a strain of **virus**

An infected person in the hospital will likely pass the **virus** to others.

## server

*n.* a computer program or a device from which other computers get information; a person who serves food in a restaurant

*synonym*: computer, waiter, waitperson

(1) a mail **server**, (2) work as a **server** in a restaurant

After the airing of the TV commercial, many people accessed the website, and the **server** went down.

## immediately

*adv.* now or without delay

*synonym*: directly, instantly, promptly

(1) **immediately** recall a product, (2) write him an answer **immediately**

A suspension order from the court is effective **immediately**.

## collaborate

*v.* to work with someone else to produce or achieve something

*synonym*: cooperate, unite, get together

(1) **collaborate** with the police, (2) **collaborate** on a press release

She agreed to **collaborate** with him in creating new artwork.

## 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.

## equip

*v.* to provide a person or a place with the things that are needed for a particular purpose or activity

*synonym*: prepare, furnish, provide

(1) **equip** an army, (2) **equip** our children with some special skills

The construction company **equipped** the building with an earthquake-resistant device.

## 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 measure, (2) unanimously **approve** a resolution

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

## countless

*adj.* too numerous to be counted or very many

*synonym*: innumerable, myriad, numerous

(1) **countless** hours, (2) answer **countless** questions

There are **countless** methods for dealing with stress.

## goosebump

*n.* a small bump that appears on the skin due to cold, fear, or excitement; a physiological response that causes the skin to contract and produce small bumps

*synonym*: horripilation, gooseflesh, pilo motor reflex

(1) **goosebump** sensation, (2) **goosebump** moment  
The cold wind gave her **goosebumps** on her arms and legs.

## regenerative

*adj.* tending to regrow or restore lost or injured tissue  
*synonym*: rejuvenating, restorative, healing

(1) **regenerative** medicine, (2) **regenerative** therapy  
The **regenerative** properties of stem cells make them a promising area of research.

## 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.

## beckon

*v.* to gesture or signal someone to come nearer or follow; to encourage or entice someone to do something; to seem attractive or desirable  
*synonym*: signal, summon, gesture

(1) **beckon** with a hand, (2) **beckon** a taxi  
The warm sun and gentle breeze **beckoned** us to spend the day outside.

## autoimmune

*adj.* relating to a condition in which the body's immune system attacks and destroys healthy body tissue, mistaking it for harmful foreign substances

(1) insulin **autoimmune** syndrome, (2) **autoimmune** disorder  
The presence of certain substances triggered the **autoimmune** response.

## tamp

*v.* to pack down or compress tightly using a tool or instrument; to suppress or reduce something, such as an emotion, a conflict, or a rumor  
*synonym*: press, compact, ram

(1) **tamp** down fighting, (2) **tamp** tobacco into a pipe

Be sure to **tamp** down the soil around the newly planted tree to secure it in place.

### overactive

*adj.* excessively active; showing an excess of activity or energy

*synonym* : hyperactive, frantic, restless

(1) **overactive** imagination, (2) **overactive** thyroid

The medication caused an **overactive** immune system, resulting in adverse side effects.

### suited

*adj.* appropriate, fitting, or acceptable for a particular purpose or occasion; matched or corresponding to a specific person, dress, or circumstances

*synonym* : appropriate, fitting, suitable

(1) **suited** for the job, (2) well- **suited** personality

The job offer was perfectly **suited** to her skills and experience.

### emerging

*adj.* starting to exist, mature, or become well-known

*synonym* : arising, occurring, state-of-the-art

(1) **emerging** country, (2) **emerging** technologies

**Emerging** technologies have dramatically improved productivity in various industries.

### influenza

*n.* (formal for flu) a highly contagious viral disease that causes fever, severe aching, and catarrh and often occurs in epidemics

*synonym* : grippe, flu

(1) an epidemic outbreak of **influenza**, (2) **influenza B** strain

The research institute allocated a lot of money to study the cause and prevention of **influenza**.

### variant

*n.* something that is slightly different from others of the same type

*synonym* : variation, modification, variance

(1) **variant** types of pigeon, (2) a **variant** of the same word  
The first **variant** of the virus appeared in less than a month.

## 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.

## multiplex

*n.* a cinema complex with several screens or theaters showing different films at the same time; an electronic device that allows several signals to be transmitted or processed simultaneously through a single channel; (adjective) relating to or consisting of multiple interconnected parts or elements

*synonym*: multiplexer, complex, cinema

(1) **multiplex** telegraphy, (2) **multiplex** DNA analysis

The new **multiplex** cinema has 12 screens showing the latest movies.

## combination

*n.* a collection of things that have been combined; an assemblage of separate parts or qualities

*synonym*: blend, hybrid, compounding

(1) genic **combinations**, (2) **combination** number

The **combination** to the safe was a secret.

## respiratory

*adj.* relating to the organs and processes involved in breathing, such as the lungs and the act of inhaling and exhaling air

*synonym*: breathing, pulmonary, lung

(1) **respiratory** failure, (2) alleviate **respiratory** ailments

Chronic **respiratory** disorders, such as asthma, can significantly impact a person's quality of life.

## syncytial

*adj.* relating to or characterized by a type of cell structure in which multiple nuclei are contained in a single cytoplasmic mass

*synonym* : multinucleate, fused, united

(1) **syncytial** virus, (2) **syncytial** fusion

**Syncytial** cells have multiple nuclei and are often found in the placenta.

## hospitalize

*v.* to admit someone to a hospital for medical treatment

*synonym* : admit, place in hospital

(1) **hospitalize** patient, (2) **hospitalize** child

She had to be **hospitalized** due to her injuries.

## elderly

*adj.* (a polite word for) old

*synonym* : aged, old, senior

(1) a home for the **elderly**, (2) **elderly** woman

The **elderly** woman is quite energetic.

## booster

*n.* something or someone that supports, promotes, or enhances; a device or substance that improves the performance or effectiveness of something

*synonym* : promoter, supporter, advocate

(1) metabolism **booster**, (2) morale **booster**

The energy drink is marketed as a **booster** to help athletes perform better.

## modest

*adj.* having or showing a humble estimate of one's merits, importance, etc.; free from vanity, egotism, boastfulness, or great pretensions

*synonym* : unassuming, humble, unpretentious

(1) **modest** income, (2) only a **modest** fee

Despite his many achievements, he remained **modest** and down-to-earth.

## footprint

*n.* a mark of a foot, shoe, or animal's foot left on a surface

*synonym* : footmark, imprint, impression

(1) **footprints** in the snow, (2) the **footprints** of an earlier civilization

We choose transportation that has a smaller carbon **footprint**.



## 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.

## defend

*v.* to protect someone or something from attack, criticism, danger, etc.

*synonym* : protect, guard, support

(1) **defend** my country, (2) **defend** against a threat

International law allows each nation to **defend** itself when its rights and interests are illegally violated.

## miniature

*adj.* being on a very small scale

*synonym* : mini, scaled-down, pint-sized

(1) **miniature** camera, (2) **miniature** version

He did complicated pen-and-ink drawings like medieval **miniatures**.

## deploy

*v.* to move troops or weapons into a position or military action; to bring into something in an effective way

*synonym* : set up, expand, launch

(1) **deploy** troops for battle, (2) **deploy** safety measures

This country **deployed** its weapons in the east region.

## convinced

*adj.* completely certain about something; having a strong belief or conviction in a particular religion

*synonym* : confident, positive, indoctrinated

(1) **convinced** of the idea, (2) **convinced** criminal

The public is **convinced** that the prime minister has committed fraud.

## distribute

*v.* to give something to a large number of individuals, or to spread or furnish something

*synonym* : broadcast, disperse, hand out

(1) **distribute** wealth evenly, (2) **distribute** video content

His estate was **distributed** to his sons.

**tap**

v. to hit someone or something quickly, gently, and often repeatedly; to use existing resources, such as energy, knowledge, etc.

*synonym* : knock, exploit, use

(1) **tap** a new market, (2) **tap** keyboard with an index finger  
To expand the company, we must **tap** new human resources.

## Session 2: Spelling

1. li\_\_\_\_\_ng commitment *adj.* lasting for the whole of someone's life
2. se\_\_\_\_e heat *adj.* extremely serious or bad in feeling, manner, or strict and harsh; extremely strong or vigorous
3. re\_\_\_\_\_te blood sugar levels *v.* to control something, especially by means of rules or laws
4. 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)
5. em\_\_\_\_\_ng technologies *adj.* starting to exist, mature, or become well-known
6. ac\_\_n protein *n.* a protein found in muscle tissue that is involved in muscle contraction and movement
7. path of des\_\_\_\_\_on *n.* the act of causing so much damage to something
8. the onset of pu\_\_\_\_\_y *n.* the process of a person's physical changes through which their sexual organs develop and become capable of reproduction
9. satisfy my intellectual cu\_\_\_\_\_ty *n.* a strong desire to know or learn about something
10. tr\_\_\_\_\_nt population *adj.* lasting only for a short time; not permanent or enduring
11. el\_\_\_\_\_y woman *adj.* (a polite word for) old

ANSWERS: 1. lifelong, 2. severe, 3. regulate, 4. molecular, 5. emerging, 6. actin, 7. destruction, 8. puberty, 9. curiosity, 10. transient, 11. elderly

12. cl\_\_\_\_al surgery *adj.* of or relating to the examination and treatment of patients rather than theoretical or laboratory studies
13. z\_\_m in on a photo *v.* to move along very quickly; (noun) the act of rising upward into the air
14. eq\_\_p our children with some special skills *v.* to provide a person or a place with the things that are needed for a particular purpose or activity
15. a secret me\_\_\_\_\_er *n.* someone or something that carries a message, especially one sent to convey information, news, or an official document
16. inc\_\_\_\_\_ly cheerful character *adv.* in a way that is very difficult to believe; exceedingly or extremely
17. retie the st\_\_\_g and make it strong *n.* long, thin material used for tying things together, composed of several twisted threads
18. buy in b\_\_k *n.* the quantity or size of something that is very large; the main part of something
19. es\_\_\_\_\_al commodities of life *adj.* indispensable; fundamental
20. key co\_\_\_\_\_nt *n.* one of several parts that combines with others to form something bigger
21. se\_\_\_\_\_e of a debtor's property *n.* the action of taking something from somebody by the use of legal authority; a sudden occurrence or recurrence of a disease
22. de\_\_\_t a bad event *v.* to find or recognize something, especially something difficult to see, hear, etc.

ANSWERS: 12. clinical, 13. zoom, 14. equip, 15. messenger, 16. incredibly, 17. string, 18. bulk, 19. essential, 20. component, 21. seizure, 22. detect

23. co\_\_\_\_\_e electricity      *v.* to spend something, especially fuel, energy, or time, in a large amount
24. me\_\_\_\_\_al chemistry      *adj.* of or relating to the treatment or cure of disease
25. cognitive com\_\_\_\_\_ty      *n.* the state or quality of being complicated or intricate and difficult to understand
26. student on a ti\_\_t budget      *adj.* fixed, fastened, or kept together firmly or closely
27. occ\_\_\_\_\_al assistance      *adj.* happening or appearing at irregular intervals; not constant or regular
28. re\_\_\_\_\_d a company      *v.* to build again or anew
29. a min\_\_\_\_\_ing horror story      *adj.* extremely impressive in a way that affects someone's mind or emotions
30. metabolism bo\_\_\_\_\_r      *n.* something or someone that supports, promotes, or enhances; a device or substance that improves the performance or effectiveness of something
31. a con\_\_\_\_\_ly varying mind      *adv.* all the time
32. 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
33. dose-de\_\_\_\_\_nt induction      *adj.* relying on someone or something else for support or aid
34. ap\_\_\_\_\_e a measures      *v.* to think that someone or something is favorable, acceptable, or appropriate; to officially accept a plan, request, etc.

ANSWERS: 23. consume, 24. medicinal, 25. complexity, 26. tight, 27. occasional, 28. rebuild, 29. mind-blowing, 30. booster, 31. constantly, 32. liver, 33. dependent, 34. approve

35. a c\_\_e about the crime *n.* an object, a piece of evidence, or some information that helps someone to find the answer to a problem, question, or mystery
36. in\_\_\_e a crisis *v.* to persuade someone to do something; to cause to act in a specific manner
37. catch the pl\_\_\_e *n.* any epidemic disease with a high death rate; (also called pest) a serious, sometimes fatal, infection spread by rats that causes fever and swellings on the body
38. hem\_\_\_\_\_in level *n.* a protein-based molecule found in red blood cells that transports oxygen throughout the body
39. muscle my\_\_\_n *n.* a type of protein found in muscle tissue that is responsible for muscle contraction and movement
40. a my\_\_\_d of choices *adj.* a very large number
41. my\_\_\_d differences *adj.* a very large number
42. the hydrogen binds the ox\_\_\_n *n.* the chemical element with the symbol O that is present in air and water and is necessary for people, animals, and plants to live
43. ex\_\_\_\_\_e weather events *adj.* very great in amount or degree
44. a va\_\_\_\_\_t of the same word *n.* something that is slightly different from others of the same type
45. co\_\_\_\_\_ss hours *adj.* too numerous to be counted or very many

ANSWERS: 35. clue, 36. induce, 37. plague, 38. hemoglobin, 39. myosin, 40. myriad, 41. myriad, 42. oxygen, 43. extreme, 44. variant, 45. countless

46. in\_\_\_\_\_et the question *v.* to explain or assign the meaning of information, actions, etc.
47. a de\_\_\_\_\_nt person *adj.* relying on someone or something else for support or aid
48. become increasingly com\_\_\_\_\_ed *adj.* involving a lot of different things or parts in a way that is difficult to understand or analyze
49. 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
50. theory of the un\_\_\_\_\_se *n.* everything that exists, especially all physical matter, including planets, stars, galaxies, and all other forms of matter and energy
51. a ge\_\_\_\_\_c disorder *adj.* of or relating to genes (= parts of the DNA in cells) or the science of genes
52. su\_\_\_\_\_e to live *v.* to be enough or sufficient; to meet the needs or requirements of something or someone; to satisfy or fulfill a purpose
53. ex\_\_\_\_\_ng football player *adj.* causing a lot of interest or excitement
54. chronic ki\_\_\_\_y disease *n.* either of a pair of small organs in the body that filter waste products, especially urea, from the blood and excrete them and water in urine
55. fr\_\_\_\_\_nt absence *adj.* happening constantly
56. mo\_\_\_\_\_le behavior *n.* a group of two or more atoms held together by attractive forces known as chemical bonds

ANSWERS: 46. interpret, 47. dependent, 48. complicated, 49. neuron, 50. universe, 51. genetic, 52. suffice, 53. exciting, 54. kidney, 55. frequent, 56. molecule

57. cor\_\_\_\_\_ch pudding *n.* a fine, powdery flour made from the starch of corn kernels, used as a thickener in cooking or for other industrial purposes
58. ca\_\_\_\_\_e customers' hearts *v.* to catch a person or an animal and confine them in an area which they cannot escape
59. fe\_\_y service *n.* a boat or ship used to transport people, vehicles, or goods across a body of water, especially on a regular schedule
60. traffic c\_\_e *n.* a geometric shape that tapers to a point at one end and has a circular base at the other end
61. a ca\_\_\_\_\_st in the process of hydrolysis *n.* a person or thing that causes an important event to happen or changes the current situation rapidly; (chemistry) a substance that initiates or accelerates a chemical reaction without being changed itself
62. 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
63. col\_\_\_\_\_te on a press release *v.* to work with someone else to produce or achieve something
64. the fo\_\_\_\_\_nts of an earlier civilization *n.* a mark of a foot, shoe, or animal's foot left on a surface
65. c\_\_t prevention *n.* a thick mass or lump of coagulated liquid, especially blood; a group of people or things that form an obstructive, unsympathetic, or resistant force

ANSWERS: 57. cornstarch, 58. capture, 59. ferry, 60. cone, 61. catalyst, 62. symptom, 63. collaborate, 64. footprint, 65. clot



66. abnormal hem\_\_\_\_\_in *n.* a protein-based molecule found in red blood cells that transports oxygen throughout the body
67. pr\_\_\_\_\_s improvement *n.* a series of actions or operations performed to achieve a particular outcome or goal; a systematic procedure or approach used to accomplish a specific task or objective; a method of treating milk to make it suitable for consumption or use in other dairy products
68. individual ins\_\_\_\_\_on *n.* detailed direction, order, etc., on how to do or use something
69. fun\_\_\_\_\_al rights *adj.* forming an essential base or core from which everything else develops or is affected
70. im\_\_y the presence of alien *v.* to indicate the truth or existence of something without referring to it
71. di\_\_\_\_\_ar without a trace *v.* to cease to exist or be visible
72. cor\_\_\_\_\_ch slurry *n.* a fine, powdery flour made from the starch of corn kernels, used as a thickener in cooking or for other industrial purposes
73. an epidemic outbreak of in\_\_\_\_\_za *n.* (formal for flu) a highly contagious viral disease that causes fever, severe aching, and catarrh and often occurs in epidemics
74. re\_\_\_\_\_e CO2 into the air *v.* to set free or allow to escape from confinement

ANSWERS: 66. hemoglobin, 67. process, 68. instruction, 69. fundamental, 70. imply, 71. disappear, 72. cornstarch, 73. influenza, 74. release

75. D\_\_t approval *n.* the food and drink that a person, animal, or community eats and drinks regularly; a legislative assembly in certain countries, for example, Japan
76. ca\_\_\_\_\_e a glimpse *v.* to catch a person or an animal and confine them in an area which they cannot escape
77. 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
78. ice cream c\_\_e *n.* a geometric shape that tapers to a point at one end and has a circular base at the other end
79. man\_\_\_\_\_re an enzyme *v.* to make goods in large numbers, usually in a factory using machines
80. sy\_\_\_\_\_is of ammonia *n.* the combination of components or elements to form a more complex whole; the creation of something new through combining parts or elements
81. follow his ins\_\_\_\_\_ons *n.* detailed direction, order, etc., on how to do or use something
82. at the height of pu\_\_\_\_\_y. *n.* the process of a person's physical changes through which their sexual organs develop and become capable of reproduction
83. dis\_\_\_\_\_te wealth evenly *v.* to give something to a large number of individuals, or to spread or furnish something

ANSWERS: 75. diet, 76. capture, 77. symptom, 78. cone, 79. manufacture, 80. synthesis, 81. instruction, 82. puberty, 83. distribute

84. the DNA se\_\_\_\_\_ce *n.* a series of related events, actions, numbers, etc., which have a particular order
85. ad\_\_\_\_t calendar *n.* the arrival or beginning of something; the coming of Jesus Christ at his birth
86. risk of coronary ar\_\_\_\_y disease *n.* one of the thick tubes in humans and most other animals that takes blood away from the heart to one or more parts of the body such as tissues, lungs, brain, etc.
87. 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.)
88. es\_\_\_\_\_te a fair value *v.* to guess or calculate the cost, size, value, etc. of something
89. lack of ox\_\_\_\_n *n.* the chemical element with the symbol O that is present in air and water and is necessary for people, animals, and plants to live
90. li\_\_\_\_\_ng career *adj.* lasting for the whole of someone's life
91. protein sy\_\_\_\_\_is inhibitor *n.* the combination of components or elements to form a more complex whole; the creation of something new through combining parts or elements
92. pro\_\_\_\_\_ty for violence *n.* a natural inclination, preference, or tendency toward a particular activity, behavior, or opinion

ANSWERS: 84. sequence, 85. advent, 86. artery, 87. vaccine, 88. estimate, 89. oxygen, 90. lifelong, 91. synthesis, 92. propensity

93. trigger a re\_\_\_\_on *n.* a response that reveals a person's feelings or attitude; (in chemistry) a process in which one or more substances are changed into others
94. mo\_\_\_\_t income *adj.* having or showing a humble estimate of one's merits, importance, etc.; free from vanity, egotism, boastfulness, or great pretensions
95. a bacterial in\_\_\_\_\_on *n.* a condition in which pathogenic microorganisms or viruses have entered the body
96. ac\_\_n polymerization *n.* a protein found in muscle tissue that is involved in muscle contraction and movement
97. acc\_\_\_\_\_hed goal *adj.* having completed a task or achieved a goal successfully; skilled or proficient at something
98. sy\_\_\_\_\_al virus *adj.* relating to or characterized by a type of cell structure in which multiple nuclei are contained in a single cytoplasmic mass
99. tur\_\_\_\_\_nd strategy *n.* the amount of time needed to prepare a vessel or ship for a return trip; a change or improvement in the condition, performance, or affairs of something
100. only a mo\_\_\_\_t fee *adj.* having or showing a humble estimate of one's merits, importance, etc.; free from vanity, egotism, boastfulness, or great pretensions
101. an artificial ki\_\_\_\_y *n.* either of a pair of small organs in the body that filter waste products, especially urea, from the blood and excrete them and water in urine

ANSWERS: 93. reaction, 94. modest, 95. infection, 96. actin, 97. accomplished, 98. syncytial, 99. turnaround, 100. modest, 101. kidney

102. produce an\_\_\_\_dy *n.* a substance produced in the blood that attacks and kills harmful bacteria, viruses, etc., to fight disease
103. a\_m to be a nurse *v.* to try or plan to get or achieve something
104. b\_\_k data transfer *n.* the quantity or size of something that is very large; the main part of something
105. people with bipolar di\_\_\_\_er *n.* an untidy state or a lack of organization; a physical condition or illness that causes problems with how a section of the body or brain functions
106. a strain of vi\_\_s *n.* a tiny infectious organic material that causes disease in people, animals, and plants
107. a mail se\_\_\_\_r *n.* a computer program or a device from which other computers get information; a person who serves food in a restaurant
108. pro\_\_\_\_ty to procrastinate *n.* a natural inclination, preference, or tendency toward a particular activity, behavior, or opinion
109. en\_\_\_\_e data *v.* to convert information into a code or format suitable for storage or transmission
110. the crosswise di\_\_\_\_on *n.* a measurable extent of a particular kind, such as width, height, or length
111. ar\_\_\_\_y blockage *n.* one of the thick tubes in humans and most other animals that takes blood away from the heart to one or more parts of the body such as tissues, lungs, brain, etc.

ANSWERS: 102. antibody, 103. aim, 104. bulk, 105. disorder, 106. virus, 107. server, 108. propensity, 109. encode, 110. dimension, 111. artery

112. an\_\_\_\_dy against bacteria      *n.* a substance produced in the blood that attacks and kills harmful bacteria, viruses, etc., to fight disease
113. co\_\_\_\_e my thoughts      *v.* to write music, poetry, or formal writing; to constitute or make up a whole, or a specified part of it
114. 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.)
115. ci\_\_\_\_an clock      *adj.* relating to a physiological cycle that lasts approximately 24 hours, impacting physical and behavioral changes that occur over the course of a day, such as sleep-wake cycles or fluctuations in hormones
116. short du\_\_\_\_on      *n.* the length of time something lasts or continues
117. t\_\_k of the clock      *n.* a light, sharp, repetitive sound or action; a mark indicating that something is correct or has been done; any of two families of small parasitic arachnids with barbed proboscis
118. permanent br\_\_n damage      *n.* the organ inside the head that is responsible for one's movement, thought, memory, and feeling
119. celebrate the ad\_\_\_\_t of spring      *n.* the arrival or beginning of something; the coming of Jesus Christ at his birth
120. dis\_\_\_\_te video content      *v.* to give something to a large number of individuals, or to spread or furnish something

ANSWERS: 112. antibody, 113. compose, 114. vaccine, 115. circadian, 116. duration, 117. tick, 118. brain, 119. advent, 120. distribute

121. bio\_\_\_\_\_al reaction *adj.* relating to the chemical processes and substances that occur within living organisms
122. de\_\_\_d my country *v.* to protect someone or something from attack, criticism, danger, etc.
123. the rem\_\_\_\_\_le breadth of knowledge *adj.* worthy of attention because unusual or special
124. en\_\_\_e information *v.* to convert information into a code or format suitable for storage or transmission
125. co\_\_\_\_\_ed criminal *adj.* completely certain about something; having a strong belief or conviction in a particular religion
126. gov\_\_\_\_\_nt bureaucracy *n.* the group of people with authority to control a country or state
127. spare co\_\_\_\_\_nts for cars *n.* one of several parts that combines with others to form something bigger
128. nuclear m\_\_A *n.* (an abbreviation for messenger RNA) a single-stranded molecule of RNA that corresponds to the genetic sequence of a gene, and is read by a ribosome in the process of synthesizing a protein
129. many tr\_\_\_\_\_ons of dollars *n.* the number 1,000,000,000,000; a million million
130. decision-making pr\_\_\_\_\_s *n.* a series of actions or operations performed to achieve a particular outcome or goal; a systematic procedure or approach used to accomplish a specific task or objective; a method of treating milk to make it suitable for consumption or use in other dairy products

ANSWERS: 121. biochemical, 122. defend, 123. remarkable, 124. encode, 125. convinced, 126. government, 127. component, 128. mRNA, 129. trillion, 130. process

131. co\_\_\_\_\_e a large of alcohol      *v.* to spend something, especially fuel, energy, or time, in a large amount
132. mi\_\_\_\_\_re version      *adj.* being on a very small scale
133. complex car\_\_\_\_\_ate      *n.* (also carb) any of a class of organic compounds that includes sugars, starch, and cellulose and are a principal source of energy in the diet of animals
134. re\_\_\_\_\_t a good worker      *v.* to persuade someone to work for a company; to find new members for an organization, the armed forces, etc.
135. de\_\_\_\_y troops for battle      *v.* to move troops or weapons into a position or military action; to bring into something in an effective way
136. a\_m at a specific target      *v.* to try or plan to get or achieve something
137. man\_\_\_\_\_re a product      *v.* to make goods in large numbers, usually in a factory using machines
138. st\_\_\_\_\_e at low temperature      *n.* the act or process of putting in and keeping something in a particular place for use in the future; an electronic memory device that can store information
139. go\_\_\_\_\_mp sensation      *n.* a small bump that appears on the skin due to cold, fear, or excitement; a physiological response that causes the skin to contract and produce small bumps
140. classic arc\_\_\_\_\_ure      *n.* the art and science of designing and constructing buildings

ANSWERS: 131. consume, 132. miniature, 133. carbohydrate, 134. recruit, 135. deploy, 136. aim, 137. manufacture, 138. storage, 139. goosebump, 140. architecture



141. in\_\_\_t a personal opinion into a debate      *v.* to put a liquid such as a drug or other substance into a person's or an animal's body using a needle and syringe (= small tube)
142. go to the workplace by cy\_\_e      *n.* an interval during which a recurring sequence of events occurs; a bicycle or motorcycle
143. a heart se\_\_\_\_\_e      *n.* the action of taking something from somebody by the use of legal authority; a sudden occurrence or recurrence of a disease
144. in\_\_\_\_\_za B strain      *n.* (formal for flu) a highly contagious viral disease that causes fever, severe aching, and catarrh and often occurs in epidemics
145. miraculous tur\_\_\_\_\_nd      *n.* the amount of time needed to prepare a vessel or ship for a return trip; a change or improvement in the condition, performance, or affairs of something
146. t\_p keyboard with an index finger      *v.* to hit someone or something quickly, gently, and often repeatedly; to use existing resources, such as energy, knowledge, etc.
147. be\_\_\_n with a hand      *v.* to gesture or signal someone to come nearer or follow; to encourage or entice someone to do something; to seem attractive or desirable
148. ts\_\_\_\_\_i warning      *n.* a huge ocean wave caused by an earthquake, volcano, or other disturbance

ANSWERS: 141. inject, 142. cycle, 143. seizure, 144. influenza, 145. turnaround, 146. tap, 147. beckon, 148. tsunami

149. fr\_\_\_\_\_nt use *adj.* happening constantly
150. the du\_\_\_\_\_on of insurance *n.* the length of time something lasts or continues
151. res\_\_\_\_\_ry failure *adj.* relating to the organs and processes involved in breathing, such as the lungs and the act of inhaling and exhaling air
152. de\_\_y a flight three hours *v.* to cause something to happen at a later time than originally intended or expected
153. genic com\_\_\_\_\_ons *n.* a collection of things that have been combined; an assemblage of separate parts or qualities
154. ex\_\_\_\_\_e sports *adj.* very great in amount or degree
155. t\_\_l a bell at his death *n.* money that you have to pay to use a particular road, bridge, etc.; (verb) to ring slowly
156. to sp\_\_e *n.* a narrow, thin, pointed piece of metal, wood, etc.; a sudden large increase in the magnitude or concentration of something
157. cho\_\_\_\_\_ll schedule *adj.* completely filled or crowded with something; having no space or room for additional things
158. the list was ar\_\_\_\_\_ed alphabetically *v.* to plan, prepare for, and carry out something
159. int\_\_\_\_\_le pain *adj.* difficult to manage or control; stubborn or obstinate
160. di\_\_\_\_\_ar after a week *v.* to cease to exist or be visible

ANSWERS: 149. frequent, 150. duration, 151. respiratory, 152. delay, 153. combination, 154. extreme, 155. toll, 156. spike, 157. chock-full, 158. arrange, 159. intractable, 160. disappear

161. eq\_\_p an army      *v.* to provide a person or a place with the things that are needed for a particular purpose or activity
162. he was en\_\_\_\_ly to blame      *adv.* completely
163. supply ch\_\_n      *n.* a series of connected links or objects; a system or group of interconnected elements; a restraint or shackle
164. expansion of the un\_\_\_\_se      *n.* everything that exists, especially all physical matter, including planets, stars, galaxies, and all other forms of matter and energy
165. chemical re\_\_\_\_on      *n.* a response that reveals a person's feelings or attitude; (in chemistry) a process in which one or more substances are changed into others
166. insulin aut\_\_\_\_\_ne syndrome      *adj.* relating to a condition in which the body's immune system attacks and destroys healthy body tissue, mistaking it for harmful foreign substances
167. co\_\_\_\_\_en supplement      *n.* a fibrous protein that forms the connective tissues in animals, including skin, tendons, and bone; often used in cosmetic and medical treatments for its ability to add firmness and elasticity to skin or other tissues
168. traditional me\_\_\_\_\_al      *adj.* of or relating to the treatment or cure of disease
169. inc\_\_\_\_\_le amount      *adj.* unbelievable; enormous
170. hos\_\_\_\_\_ze patient      *v.* to admit someone to a hospital for medical treatment

ANSWERS: 161. equip, 162. entirely, 163. chain, 164. universe, 165. reaction, 166. autoimmune, 167. collagen, 168. medicinal, 169. incredible, 170. hospitalize

171. fe\_\_y terminal *n.* a boat or ship used to transport people, vehicles, or goods across a body of water, especially on a regular schedule
172. 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
173. ts\_\_\_\_\_i relief *n.* a huge ocean wave caused by an earthquake, volcano, or other disturbance
174. complex bio\_\_\_\_\_al *adj.* relating to the chemical processes and substances that occur within living organisms
175. use cell phone rep\_\_\_\_\_ly *adv.* again and again; many times
176. in\_\_\_\_\_ct directly with customers *v.* to communicate or react with somebody
177. ci\_\_\_\_\_an disruption *adj.* relating to a physiological cycle that lasts approximately 24 hours, impacting physical and behavioral changes that occur over the course of a day, such as sleep-wake cycles or fluctuations in hormones
178. gl\_\_\_\_\_en storage *n.* a complex carbohydrate that is stored in the liver and muscles and broken down into glucose for energy when needed
179. mon\_\_\_\_\_ic block *adj.* characterized by massiveness, rigidity, and uniformity
180. rep\_\_\_\_\_ly nod *adv.* again and again; many times
181. in\_\_\_\_n characteristics *adj.* existing naturally from birth; innate or inherent; often used to refer to traits or characteristics that are genetically determined

ANSWERS: 171. ferry, 172. tumor, 173. tsunami, 174. biochemical, 175. repeatedly, 176. interact, 177. circadian, 178. glycogen, 179. monolithic, 180. repeatedly, 181. inborn

182. ma\_\_\_\_\_in good health *v.* to continue to uphold or sustain; to keep in a particular state or condition; to assert or declare something to be true
183. en\_\_\_\_\_s possibilities *adj.* having no end or conclusion; infinitely very large in size or amount
184. a numerator in a fr\_\_\_\_\_on *n.* a small part or item forming a piece of a whole; the quotient of two rational numbers
185. ac\_\_\_\_\_ic probation *adj.* associated with schools, colleges, and universities, especially studying and thinking, not with practical skills
186. fun\_\_\_\_\_al education *adj.* forming an essential base or core from which everything else develops or is affected
187. treat the in\_\_\_\_\_on with antibiotics *n.* a condition in which pathogenic microorganisms or viruses have entered the body
188. a con\_\_\_\_\_ly innovative enterprise *adv.* all the time
189. co\_\_\_\_\_en production *n.* a fibrous protein that forms the connective tissues in animals, including skin, tendons, and bone; often used in cosmetic and medical treatments for its ability to add firmness and elasticity to skin or other tissues
190. cho\_\_\_\_\_ll of flavor *adj.* completely filled or crowded with something; having no space or room for additional things
191. eat a vegetarian d\_\_t *n.* the food and drink that a person, animal, or community eats and drinks regularly; a legislative assembly in certain countries, for example, Japan

ANSWERS: 182. maintain, 183. endless, 184. fraction, 185. academic, 186. fundamental, 187. infection, 188. constantly, 189. collagen, 190. chock-full, 191. diet

192. em\_\_\_\_ng country *adj.* starting to exist, mature, or become well-known
193. unanimously ap\_\_\_\_e a resolution *v.* to think that someone or something is favorable, acceptable, or appropriate; to officially accept a plan, request, etc.
194. hos\_\_\_\_ze child *v.* to admit someone to a hospital for medical treatment
195. 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
196. a un\_\_\_\_e teacher *adj.* being the only one of its kind; unlike anything else
197. con\_\_\_\_ly access information *adv.* in a way that happens without interruption or repeatedly
198. co\_\_\_\_ed of the idea *adj.* completely certain about something; having a strong belief or conviction in a particular religion
199. morale bo\_\_\_\_r *n.* something or someone that supports, promotes, or enhances; a device or substance that improves the performance or effectiveness of something
200. in\_\_\_\_n talent *adj.* existing naturally from birth; innate or inherent; often used to refer to traits or characteristics that are genetically determined
201. 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)

ANSWERS: 192. emerging, 193. approve, 194. hospitalize, 195. disease, 196. unique, 197. continually, 198. convinced, 199. booster, 200. inborn, 201. molecular

202. hyp\_\_\_\_\_mia diet *n.* a medical condition characterized by abnormally low blood sugar levels, often causing symptoms such as weakness, sweating, confusion, and dizziness
203. pr\_\_\_\_\_le in business *n.* a fundamental law or truth that explains or controls how something happens or works
204. pl\_\_\_\_\_e dough *adj.* flexible; easy to bend without breaking or cracking
205. t\_\_p down fighting *v.* to pack down or compress tightly using a tool or instrument; to suppress or reduce something, such as an emotion, a conflict, or a rumor
206. 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
207. change the ec\_\_\_\_\_em *n.* all the plants and living creatures in an area and the way they affect each other and the environment
208. reg\_\_\_\_\_ive therapy *adj.* tending to regrow or restore lost or injured tissue
209. a se\_\_\_e case of pneumonia *adj.* extremely serious or bad in feeling, manner, or strict and harsh; extremely strong or vigorous
210. 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: 202. hypoglycemia, 203. principle, 204. pliable, 205. tamp, 206. neuron, 207. ecosystem, 208. regenerative, 209. severe, 210. dose

211. su\_\_\_\_e as evidence      *v.* to be enough or sufficient; to meet the needs or requirements of something or someone; to satisfy or fulfill a purpose
212. co\_\_\_\_e an essay      *v.* to write music, poetry, or formal writing; to constitute or make up a whole, or a specified part of it
213. 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
214. com\_\_\_\_\_on number      *n.* a collection of things that have been combined; an assemblage of separate parts or qualities
215. at\_\_\_h a file to an e-mail      *v.* to fasten, join, or connect one thing to another
216. hemoglobin met\_\_\_\_\_sm      *n.* the set of chemical reactions in cells or organisms that are necessary for life-sustaining
217. deadly pl\_\_\_e      *n.* any epidemic disease with a high death rate; (also called pest) a serious, sometimes fatal, infection spread by rats that causes fever and swellings on the body
218. at\_\_\_h firmly      *v.* to fasten, join, or connect one thing to another
219. blood ve\_\_\_ls      *n.* a ship or large boat
220. z\_\_m lens      *v.* to move along very quickly; (noun) the act of rising upward into the air
221. a t\_\_l road      *n.* money that you have to pay to use a particular road, bridge, etc.; (verb) to ring slowly

ANSWERS: 211. suffice, 212. compose, 213. spike, 214. combination, 215. attach, 216. metabolism, 217. plague, 218. attach, 219. vessel, 220. zoom, 221. toll



222. basic br__n function	<i>n.</i>	the organ inside the head that is responsible for one's movement, thought, memory, and feeling
223. in___e him to see a doctor	<i>v.</i>	to persuade someone to do something; to cause to act in a specific manner
224. gl_____en synthesis	<i>n.</i>	a complex carbohydrate that is stored in the liver and muscles and broken down into glucose for energy when needed
225. com_____ty theory	<i>n.</i>	the state or quality of being complicated or intricate and difficult to understand
226. met_____sm enzyme	<i>n.</i>	the set of chemical reactions in cells or organisms that are necessary for life-sustaining
227. st_____re and function of the brain	<i>n.</i>	the way of construction of something and the arrangement of its parts, or a complex thing constructed of many parts
228. t__p tobacco into a pipe	<i>v.</i>	to pack down or compress tightly using a tool or instrument; to suppress or reduce something, such as an emotion, a conflict, or a rumor
229. boundless cu_____ty	<i>n.</i>	a strong desire to know or learn about something
230. al_____hm for image processing	<i>n.</i>	a set of rules or rigorous instructions typically used to solve a specific problem or to perform a computation
231. marine ec_____em	<i>n.</i>	all the plants and living creatures in an area and the way they affect each other and the environment

ANSWERS: 222. brain, 223. induce, 224. glycogen, 225. complexity, 226. metabolism, 227. structure, 228. tamp, 229. curiosity, 230. algorithm, 231. ecosystem

232. the professor of su\_\_\_\_y      *n.* medical treatment of injuries or diseases involving an incision with instruments and often removing or replacing some parts of the body; the branch of medical science that treats disease or injury by operative procedures
233. im\_\_y a strong correlation      *v.* to indicate the truth or existence of something without referring to it
234. the RSA al\_\_\_\_\_hm      *n.* a set of rules or rigorous instructions typically used to solve a specific problem or to perform a computation
235. intellectual f\_\_t      *n.* a notable or impressive achievement, especially one that requires great skill or bravery
236. work as a se\_\_\_r in a restaurant      *n.* a computer program or a device from which other computers get information; a person who serves food in a restaurant
237. mon\_\_\_\_\_ic system      *adj.* characterized by massiveness, rigidity, and uniformity
238. alleviate res\_\_\_\_\_ry ailments      *adj.* relating to the organs and processes involved in breathing, such as the lungs and the act of inhaling and exhaling air
239. occ\_\_\_\_\_al visitor      *adj.* happening or appearing at irregular intervals; not constant or regular
240. 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

ANSWERS: 232. surgery, 233. imply, 234. algorithm, 235. feat, 236. server, 237. monolithic, 238. respiratory, 239. occasional, 240. disease

241. acc\_\_\_\_\_hed at a very early age     *adj.* having completed a task or achieved a goal successfully; skilled or proficient at something
242. have ge\_\_\_\_\_c testing     *adj.* of or relating to genes (= parts of the DNA in cells) or the science of genes
243. tu\_\_r growth     *n.* a mass of diseased tissue that forms when cells in the body divide and grow in an uncontrolled way
244. en\_\_\_\_\_s hours     *adj.* having no end or conclusion; infinitely very large in size or amount
245. 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
246. ma\_\_\_\_\_in order     *v.* to continue to uphold or sustain; to keep in a particular state or condition; to assert or declare something to be true
247. com\_\_\_\_\_ion of structure     *n.* something that makes a situation or condition that is complex or confused
248. a home for the el\_\_\_\_\_y     *adj.* (a polite word for) old
249. car\_\_\_\_\_ate metabolism     *n.* (also carb) any of a class of organic compounds that includes sugars, starch, and cellulose and are a principal source of energy in the diet of animals
250. su\_\_\_d for the job     *adj.* appropriate, fitting, or acceptable for a particular purpose or occasion; matched or corresponding to a specific person, dress, or circumstances
251. write him an answer imm\_\_\_\_\_ly     *adv.* now or without delay

ANSWERS: 241. accomplished, 242. genetic, 243. tumor, 244. endless, 245. chart, 246. maintain, 247. complication, 248. elderly, 249. carbohydrate, 250. suited, 251. immediately

252. c\_\_g artery *v.* to obstruct or block up (a passage, pipe, or system) with an accumulation of thick or sticky matter; to impede or hinder the progress or movement of something
253. cyclonic des\_\_\_\_\_on *n.* the act of causing so much damage to something
254. new di\_\_\_\_\_on *n.* a measurable extent of a particular kind, such as width, height, or length
255. human activities int\_\_\_\_\_ect with the environment *v.* to connect similar things
256. share kn\_\_\_\_\_ow *n.* practical knowledge, skills, or experience in a particular field or area, often acquired through personal experience or training
257. am\_\_\_\_\_g advances *adj.* extremely surprising, especially in a way that you like or admire
258. tr\_\_\_\_\_nt feeling *adj.* lasting only for a short time; not permanent or enduring
259. blood c\_\_t *n.* a thick mass or lump of coagulated liquid, especially blood; a group of people or things that form an obstructive, unsympathetic, or resistant force
260. ove\_\_\_\_\_ve imagination *adj.* excessively active; showing an excess of activity or energy
261. keep the skin pl\_\_\_\_\_e *adj.* flexible; easy to bend without breaking or cracking
262. he\_\_\_d a new era *v.* to be a sign or indication of something to come; to proclaim or announce something publicly, often with great enthusiasm or fanfare

ANSWERS: 252. clog, 253. destruction, 254. dimension, 255. interconnect, 256. know-how, 257. amazing, 258. transient, 259. clot, 260. overactive, 261. pliable, 262. herald

263. re\_\_\_\_\_t a new hire *v.* to persuade someone to work for a company; to find new members for an organization, the armed forces, etc.
264. re\_\_\_\_\_e a prisoner *v.* to set free or allow to escape from confinement
265. resolve without com\_\_\_\_\_ion *n.* something that makes a situation or condition that is complex or confused
266. the st\_\_\_\_\_re of a machine *n.* the way of construction of something and the arrangement of its parts, or a complex thing constructed of many parts
267. t\_\_k fever *n.* a light, sharp, repetitive sound or action; a mark indicating that something is correct or has been done; any of two families of small parasitic arachnids with barbed proboscis
268. the se\_\_\_\_\_ce of the seasons *n.* a series of related events, actions, numbers, etc., which have a particular order
269. 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
270. pr\_\_\_\_\_le of treatment *n.* a fundamental law or truth that explains or controls how something happens or works
271. ca\_\_\_\_\_st for reform *n.* a person or thing that causes an important event to happen or changes the current situation rapidly; (chemistry) a substance that initiates or accelerates a chemical reaction without being changed itself

ANSWERS: 263. recruit, 264. release, 265. complication, 266. structure, 267. tick, 268. sequence, 269. protein, 270. principle, 271. catalyst

272. arc_____ure design	<i>n.</i> the art and science of designing and constructing buildings
273. at inc_____le speed	<i>adj.</i> unbelievable; enormous
274. a cr__k in a board	<i>v.</i> to break or cause to break without dividing into separate parts; (noun) a line on the surface of something along which it has separated without breaking
275. kn_____ow transfer	<i>n.</i> practical knowledge, skills, or experience in a particular field or area, often acquired through personal experience or training
276. tr_____te the emotion to a movement	<i>v.</i> to convert or change words into another language
277. de___y safety measures	<i>v.</i> to move troops or weapons into a position or military action; to bring into something in an effective way
278. participate in cl_____al trials	<i>adj.</i> of or relating to the examination and treatment of patients rather than theoretical or laboratory studies
279. well-su___d personality	<i>adj.</i> appropriate, fitting, or acceptable for a particular purpose or occasion; matched or corresponding to a specific person, dress, or circumstances
280. the most am_____g feeling	<i>adj.</i> extremely surprising, especially in a way that you like or admire
281. imm_____ly recall a product	<i>adv.</i> now or without delay
282. int_____le situation	<i>adj.</i> difficult to manage or control; stubborn or obstinate

ANSWERS: 272. architecture, 273. incredible, 274. crack, 275. know-how, 276. translate, 277. deploy, 278. clinical, 279. suited, 280. amazing, 281. immediately, 282. intractable

283. the cy\_\_e of the seasons *n.* an interval during which a recurring sequence of events occurs; a bicycle or motorcycle
284. curtain r\_d *n.* a long, thin, straight piece of wood, metal, or other material used for support, as a weapon, or for punishment
285. 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
286. get inc\_\_\_\_\_ly insecure *adv.* in a way that is very difficult to believe; exceedingly or extremely
287. naval ve\_\_\_ls *n.* a ship or large boat
288. r\_d cell *n.* a long, thin, straight piece of wood, metal, or other material used for support, as a weapon, or for punishment
289. reg\_\_\_\_\_ive medicine *adj.* tending to regrow or restore lost or injured tissue
290. an ac\_\_\_\_\_ic discussion *adj.* associated with schools, colleges, and universities, especially studying and thinking, not with practical skills
291. de\_\_\_t smuggling across borders *v.* to find or recognize something, especially something difficult to see, hear, etc.
292. hyp\_\_\_\_\_mia symptoms *n.* a medical condition characterized by abnormally low blood sugar levels, often causing symptoms such as weakness, sweating, confusion, and dizziness

ANSWERS: 283. cycle, 284. rod, 285. dose, 286. incredibly, 287. vessel, 288. rod, 289. regenerative, 290. academic, 291. detect, 292. hypoglycemia

293. 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
294. a ti\_\_t game *adj.* fixed, fastened, or kept together firmly or closely
295. rem\_\_\_\_\_le achievement *adj.* worthy of attention because unusual or special
296. my\_\_\_n protein *n.* a type of protein found in muscle tissue that is responsible for muscle contraction and movement
297. spread of the vi\_\_s *n.* a tiny infectious organic material that causes disease in people, animals, and plants
298. es\_\_\_\_\_te this chicken to weigh three pounds *v.* to guess or calculate the cost, size, value, etc. of something
299. ch\_\_n reaction *n.* a series of connected links or objects; a system or group of interconnected elements; a restraint or shackle
300. in\_\_\_\_\_ct with one another *v.* to communicate or react with somebody
301. answer co\_\_\_\_\_ss questions *adj.* too numerous to be counted or very many
302. un\_\_\_\_\_l a knit *v.* undo twisted, knitted, or woven threads by separating it
303. t\_p a new market *v.* to hit someone or something quickly, gently, and often repeatedly; to use existing resources, such as energy, knowledge, etc.

ANSWERS: 293. liver, 294. tight, 295. remarkable, 296. myosin, 297. virus, 298. estimate, 299. chain, 300. interact, 301. countless, 302. unravel, 303. tap



304. re\_\_\_\_d communities                    *v.*    to build again or anew
305. tr\_\_\_\_\_te a document into English                    *v.*    to convert or change words into another language
306. de\_\_y the new project                    *v.*    to cause something to happen at a later time than originally intended or expected
307. mi\_\_\_\_\_re camera                    *adj.* being on a very small scale
308. the files are in complete di\_\_\_\_\_er                    *n.*    an untidy state or a lack of organization; a physical condition or illness that causes problems with how a section of the body or brain functions
309. im\_\_\_e from criminal prosecution                    *adj.* protected against a particular disease or toxin due to the presence of specific antibodies or sensitized white blood cells
310. co\_\_\_\_\_e augmented reality                    *v.*    to join or merge to form a single thing or group
311. un\_\_\_\_\_l a plot                    *v.*    undo twisted, knitted, or woven threads by separating it
312. ove\_\_\_\_\_ve thyroid                    *adj.* excessively active; showing an excess of activity or energy
313. min\_\_\_\_\_ing discovery                    *adj.* extremely impressive in a way that affects someone's mind or emotions
314. a ge\_\_\_\_\_c product                    *adj.* not specific; not linked to a particular brand or product
315. cr\_\_k an eggshell                    *v.*    to break or cause to break without dividing into separate parts; (noun) a line on the surface of something along which it has separated without breaking

ANSWERS: 304. rebuild, 305. translate, 306. delay, 307. miniature, 308. disorder, 309. immune, 310. combine, 311. unravel, 312. overactive, 313. mind-blowing, 314. generic, 315. crack

316. es\_\_\_\_\_al amino acid *adj.* indispensable; fundamental
317. f\_\_t accomplishment *n.* a notable or impressive achievement, especially one that requires great skill or bravery
318. tense piano st\_\_\_\_gs *n.* long, thin material used for tying things together, composed of several twisted threads
319. va\_\_\_\_\_t types of pigeon *n.* something that is slightly different from others of the same type
320. a weather 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
321. co\_\_\_\_\_e chemically with another substance *v.* to join or merge to form a single thing or group
322. re\_\_\_\_\_te our conduct *v.* to control something, especially by means of rules or laws
323. m\_\_A translation *n.* (an abbreviation for messenger RNA) a single-stranded molecule of RNA that corresponds to the genetic sequence of a gene, and is read by a ribosome in the process of synthesizing a protein
324. in\_\_\_\_t under the skin *v.* to put a liquid such as a drug or other substance into a person's or an animal's body using a needle and syringe (= small tube)
325. a st\_\_\_\_\_e battery *n.* the act or process of putting in and keeping something in a particular place for use in the future; an electronic memory device that can store information

ANSWERS: 316. essential, 317. feat, 318. string, 319. variant, 320. chart, 321. combine, 322. regulate, 323. mRNA, 324. inject, 325. storage

326. me\_\_\_\_\_er app *n.* someone or something that carries a message, especially one sent to convey information, news, or an official document
327. un\_\_\_e design *adj.* being the only one of its kind; unlike anything else
328. de\_\_\_d against a threat *v.* to protect someone or something from attack, criticism, danger, etc.
329. mu\_\_\_\_\_ex telegraphy *n.* a cinema complex with several screens or theaters showing different films at the same time; an electronic device that allows several signals to be transmitted or processed simultaneously through a single channel; (adjective) relating to or consisting of multiple interconnected parts or elements
330. ar\_\_\_\_\_e the meeting *v.* to plan, prepare for, and carry out something
331. directly int\_\_\_\_\_ect with those systems *v.* to connect similar things
332. c\_\_g a filter *v.* to obstruct or block up (a passage, pipe, or system) with an accumulation of thick or sticky matter; to impede or hinder the progress or movement of something
333. a fr\_\_\_\_\_onal share of the vote *n.* a small part or item forming a piece of a whole; the quotient of two rational numbers
334. tr\_\_\_\_\_on cubic feet *n.* the number 1,000,000,000,000; a million million

ANSWERS: 326. messenger, 327. unique, 328. defend, 329. multiplex, 330. arrange, 331. interconnect, 332. clog, 333. fraction, 334. trillion

335. sy\_\_\_\_\_al fusion *adj.* relating to or characterized by a type of cell structure in which multiple nuclei are contained in a single cytoplasmic mass
336. small mo\_\_\_\_\_les *n.* a group of two or more atoms held together by attractive forces known as chemical bonds
337. ex\_\_\_\_\_ng news *adj.* causing a lot of interest or excitement
338. cardiac su\_\_\_\_\_y *n.* medical treatment of injuries or diseases involving an incision with instruments and often removing or replacing some parts of the body; the branch of medical science that treats disease or injury by operative procedures
339. ge\_\_\_\_\_c version *adj.* not specific; not linked to a particular brand or product
340. he\_\_\_\_d the news *v.* to be a sign or indication of something to come; to proclaim or announce something publicly, often with great enthusiasm or fanfare
341. be\_\_\_\_n a taxi *v.* to gesture or signal someone to come nearer or follow; to encourage or entice someone to do something; to seem attractive or desirable
342. a c\_\_e to the diagnosis *n.* an object, a piece of evidence, or some information that helps someone to find the answer to a problem, question, or mystery

ANSWERS: 335. syncytial, 336. molecule, 337. exciting, 338. surgery, 339. generic, 340. herald, 341. beckon, 342. clue

343. in\_\_\_\_\_et a graph *v.* to explain or assign the meaning of information, actions, etc.
344. aut\_\_\_\_\_ne disorder *adj.* relating to a condition in which the body's immune system attacks and destroys healthy body tissue, mistaking it for harmful foreign substances
345. con\_\_\_\_\_ly changing world *adv.* in a way that happens without interruption or repeatedly
346. go\_\_\_\_\_mp moment *n.* a small bump that appears on the skin due to cold, fear, or excitement; a physiological response that causes the skin to contract and produce small bumps
347. mu\_\_\_\_\_ex DNA analysis *n.* a cinema complex with several screens or theaters showing different films at the same time; an electronic device that allows several signals to be transmitted or processed simultaneously through a single channel; (adjective) relating to or consisting of multiple interconnected parts or elements
348. a com\_\_\_\_\_ed process *adj.* involving a lot of different things or parts in a way that is difficult to understand or analyze
349. gov\_\_\_\_\_nt funding *n.* the group of people with authority to control a country or state
350. 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

ANSWERS: 343. interpret, 344. autoimmune, 345. continually, 346. goosebump, 347. multiplex, 348. complicated, 349. government, 350. protein

351. the cell of the im\_\_\_e system      *adj.* protected against a particular disease or toxin due to the presence of specific antibodies or sensitized white blood cells
352. fo\_\_\_\_\_nts in the snow      *n.* a mark of a foot, shoe, or animal's foot left on a surface
353. en\_\_\_\_\_ly satisfied with the meal      *adv.* completely
354. col\_\_\_\_\_te with the police      *v.* to work with someone else to produce or achieve something

ANSWERS: 351. immune, 352. footprint, 353. entirely, 354. collaborate

## Session 3: Fill in the Blanks

1. The \_\_\_\_\_ in the blood vessel required immediate medical attention.  
*n.* a thick mass or lump of coagulated liquid, especially blood; a group of people or things that form an obstructive, unsympathetic, or resistant force
2. We \_\_\_\_\_ the season's total trade deficit at \$50 billion.  
*v.* to guess or calculate the cost, size, value, etc. of something
3. He does not \_\_\_\_\_ importance to these rumors.  
*v.* to fasten, join, or connect one thing to another
4. The national election was held amid \_\_\_\_\_ security.  
*adj.* fixed, fastened, or kept together firmly or closely
5. Efficiency isn't an essential \_\_\_\_\_ here; fairness is.  
*n.* a fundamental law or truth that explains or controls how something happens or works
6. We can evaluate the performance of an \_\_\_\_\_ in terms of computation time.  
*n.* a set of rules or rigorous instructions typically used to solve a specific problem or to perform a computation
7. Trial and error is an \_\_\_\_\_ part of education.  
*adj.* indispensable; fundamental
8. The extinction of several subspecies has been linked to climate change and habitat \_\_\_\_\_.  
*n.* the act of causing so much damage to something

ANSWERS: 1. clot, 2. estimated, 3. attach, 4. tight, 5. principle, 6. algorithm, 7. essential, 8. destruction

9. His heartaches are less \_\_\_\_\_ now.

*adj.* happening constantly

10. The company's \_\_\_\_\_ was a result of new management strategies.

*n.* the amount of time needed to prepare a vessel or ship for a return trip; a change or improvement in the condition, performance, or affairs of something

11. Hospitals must meet various standards to prevent nosocomial \_\_\_\_\_.

*n.* a condition in which pathogenic microorganisms or viruses have entered the body

12. We choose transportation that has a smaller carbon \_\_\_\_\_.

*n.* a mark of a foot, shoe, or animal's foot left on a surface

13. 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.

14. The public is \_\_\_\_\_ that the prime minister has committed fraud.

*adj.* completely certain about something; having a strong belief or conviction in a particular religion

15. An mRNA vaccine is a type of vaccine that uses a copy of a molecule called \_\_\_\_\_ RNA.

*n.* someone or something that carries a message, especially one sent to convey information, news, or an official document

16. The city is known for its impressive \_\_\_\_\_ and beautiful old buildings.

*n.* the art and science of designing and constructing buildings

ANSWERS: 9. frequent, 10. turnaround, 11. infections, 12. footprint, 13. approve, 14. convinced, 15. messenger, 16. architecture



17. We store customer data in cloud \_\_\_\_\_.

*n.* the act or process of putting in and keeping something in a particular place for use in the future; an electronic memory device that can store information

18. The scientist's \_\_\_\_\_ sense of logic made her a rigorous and precise thinker.

*adj.* existing naturally from birth; innate or inherent; often used to refer to traits or characteristics that are genetically determined

19. Her tongue runs on \_\_\_\_\_.

*adv.* in a way that happens without interruption or repeatedly

20. The election was a \_\_\_\_\_ success for the Whigs.

*adj.* worthy of attention because unusual or special

21. I was able to \_\_\_\_\_ the moment on film.

*v.* to catch a person or an animal and confine them in an area which they cannot escape

22. Big technology companies try to integrate customers' data into \_\_\_\_\_ applications.

*adj.* characterized by massiveness, rigidity, and uniformity

23. The energy drink is marketed as a \_\_\_\_\_ to help athletes perform better.

*n.* something or someone that supports, promotes, or enhances; a device or substance that improves the performance or effectiveness of something

24. His estate was \_\_\_\_\_ to his sons.

*v.* to give something to a large number of individuals, or to spread or furnish something

ANSWERS: 17. storage, 18. inborn, 19. continually, 20. remarkable, 21. capture, 22. monolithic, 23. booster, 24. distributed

25. The doctor recommended frequent monitoring of blood sugar levels to prevent \_\_\_\_\_
- n.* a medical condition characterized by abnormally low blood sugar levels, often causing symptoms such as weakness, sweating, confusion, and dizziness
26. The job offer was perfectly \_\_\_\_\_ to her skills and experience.
- adj.* appropriate, fitting, or acceptable for a particular purpose or occasion; matched or corresponding to a specific person, dress, or circumstances
27. The global financial crisis acted as a \_\_\_\_\_ to unite the country.
- n.* a person or thing that causes an important event to happen or changes the current situation rapidly; (chemistry) a substance that initiates or accelerates a chemical reaction without being changed itself
28. 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
29. There are \_\_\_\_\_ methods for dealing with stress.
- adj.* too numerous to be counted or very many
30. He that would eat the kernel must \_\_\_\_\_ the nut.
- v.* to break or cause to break without dividing into separate parts; (noun) a line on the surface of something along which it has separated without breaking
31. The first \_\_\_\_\_ of the virus appeared in less than a month.
- n.* something that is slightly different from others of the same type
32. \_\_\_\_\_ cells have multiple nuclei and are often found in the placenta.
- adj.* relating to or characterized by a type of cell structure in which multiple nuclei are contained in a single cytoplasmic mass

ANSWERS: 25. hypoglycemia, 26. suited, 27. catalyst, 28. diet, 29. countless, 30. crack, 31. variant, 32. Syncytial

33. He did \_\_\_\_\_ pen-and-ink drawings in just a few days.

*adj.* involving a lot of different things or parts in a way that is difficult to understand or analyze

34. The \_\_\_\_\_ aspirin brand was just as effective as the name brand but much cheaper.

*adj.* not specific; not linked to a particular brand or product

35. 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

36. He also continued to struggle with serious long-term \_\_\_\_\_.

*n.* something that makes a situation or condition that is complex or confused

37. He looked out the window at the \_\_\_\_\_ stream of people.

*adj.* having no end or conclusion; infinitely very large in size or amount

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

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

39. The \_\_\_\_\_ properties of stem cells make them a promising area of research.

*adj.* tending to regrow or restore lost or injured tissue

40. Would one cup of flour \_\_\_\_\_ for this recipe?

*v.* to be enough or sufficient; to meet the needs or requirements of something or someone; to satisfy or fulfill a purpose

ANSWERS: 33. complicated, 34. generic, 35. symptom, 36. complications, 37. endless, 38. sequence, 39. regenerative, 40. suffice

41. The \_\_\_\_\_ on my bike broke, leaving me stranded.

*n.* a series of connected links or objects; a system or group of interconnected elements; a restraint or shackle

42. An infected person in the hospital will likely pass the \_\_\_\_\_ to others.

*n.* a tiny infectious organic material that causes disease in people, animals, and plants

43. He claims that his legitimate requests were \_\_\_\_\_ ignored.

*adv.* again and again; many times

44. Certain types of plastic become \_\_\_\_\_ when heated.

*adj.* flexible; easy to bend without breaking or cracking

45. One light year is nearly 6 \_\_\_\_\_ miles.

*n.* the number 1,000,000,000,000; a million million

46. We are motivated by \_\_\_\_\_ rather than necessity.

*n.* a strong desire to know or learn about something

47. 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

48. A smaller car will \_\_\_\_\_ less fuel.

*v.* to spend something, especially fuel, energy, or time, in a large amount

49. The presence of certain substances triggered the \_\_\_\_\_ response.

*adj.* relating to a condition in which the body's immune system attacks and destroys healthy body tissue, mistaking it for harmful foreign substances

ANSWERS: 41. chain, 42. virus, 43. repeatedly, 44. pliable, 45. trillion, 46. curiosity, 47. brain, 48. consume, 49. autoimmune

50. Human conservation efforts often fail unexpectedly because they disturb the balance of the \_\_\_\_\_.
- n.* all the plants and living creatures in an area and the way they affect each other and the environment
51. \_\_\_\_\_ cells in the eye's retina are responsible for color vision and visual acuity.
- n.* a geometric shape that tapers to a point at one end and has a circular base at the other end
52. Human behavior has \_\_\_\_\_ characteristics.
- adj.* forming an essential base or core from which everything else develops or is affected
53. The \_\_\_\_\_ across the river offers a convenient transportation option for commuters.
- n.* a boat or ship used to transport people, vehicles, or goods across a body of water, especially on a regular schedule
54. A mixture of vinegar and \_\_\_\_\_ can be used to clean silverware.
- n.* a fine, powdery flour made from the starch of corn kernels, used as a thickener in cooking or for other industrial purposes
55. The colonial government \_\_\_\_\_ militia support when civil war broke out.
- v.* to persuade someone to work for a company; to find new members for an organization, the armed forces, etc.
56. 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

ANSWERS: 50. ecosystem, 51. Cone-shaped, 52. fundamental, 53. ferry, 54. cornstarch, 55. recruited, 56. component

57. Be sure to \_\_\_\_\_ down the soil around the newly planted tree to secure it in place.
- v.* to pack down or compress tightly using a tool or instrument; to suppress or reduce something, such as an emotion, a conflict, or a rumor
58. 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
59. The organizational \_\_\_\_\_ of start-ups is often flat and straightforward.
- n.* the way of construction of something and the arrangement of its parts, or a complex thing constructed of many parts
60. The medication caused an \_\_\_\_\_ immune system, resulting in adverse side effects.
- adj.* excessively active; showing an excess of activity or energy
61. 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.)
62. I always put a \_\_\_\_\_ mark next to the items on my grocery list after buying them.
- n.* a light, sharp, repetitive sound or action; a mark indicating that something is correct or has been done; any of two families of small parasitic arachnids with barbed proboscis
63. 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

ANSWERS: 57. tamp, 58. dose, 59. structure, 60. overactive, 61. vaccine, 62. tick, 63. protein

64. The \_\_\_\_\_ vaccine can expedite many approval processes because it does not contain a virus.
- n.* (an abbreviation for messenger RNA) a single-stranded molecule of RNA that corresponds to the genetic sequence of a gene, and is read by a ribosome in the process of synthesizing a protein
65. 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
66. She felt \_\_\_\_\_ after finishing her book.
- adj.* having completed a task or achieved a goal successfully; skilled or proficient at something
67. Despite his many achievements, he remained \_\_\_\_\_ and down-to-earth.
- adj.* having or showing a humble estimate of one's merits, importance, etc.; free from vanity, egotism, boastfulness, or great pretensions
68. The drain was \_\_\_\_\_ with hair and needed to be cleaned out.
- v.* to obstruct or block up (a passage, pipe, or system) with an accumulation of thick or sticky matter; to impede or hinder the progress or movement of something
69. He \_\_\_\_\_ back in time to the soccer game.
- v.* to move along very quickly; (noun) the act of rising upward into the air
70. She wore a \_\_\_\_\_ of pearls around her neck.
- n.* long, thin material used for tying things together, composed of several twisted threads

ANSWERS: 64. mRNA, 65. liver, 66. accomplished, 67. modest, 68. clogged, 69. zoomed, 70. string

71. 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
72. 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
73. Having a consistent sleep schedule is important for maintaining a healthy \_\_\_\_\_ rhythm.  
*adj.* relating to a physiological cycle that lasts approximately 24 hours, impacting physical and behavioral changes that occur over the course of a day, such as sleep-wake cycles or fluctuations in hormones
74. Solar gravity creates \_\_\_\_\_ pressures and temperatures.  
*adj.* very great in amount or degree
75. He should \_\_\_\_\_ more with his colleagues.  
*v.* to communicate or react with somebody
76. The \_\_\_\_\_ effects of the psychedelic drug were unlike anything he had ever experienced.  
*adj.* extremely impressive in a way that affects someone's mind or emotions
77. They watched the train \_\_\_\_\_ into the distance.  
*v.* to cease to exist or be visible
78. Her response revealed \_\_\_\_\_ idiocy.  
*adj.* unbelievable; enormous

ANSWERS: 71. disease, 72. complexity, 73. circadian, 74. extreme, 75. interact, 76. mind-blowing, 77. disappear, 78. incredible



79. They are planning to \_\_\_\_\_ the house after the fire.
- v. to build again or anew
80. Different people might \_\_\_\_\_ this news differently.
- v. to explain or assign the meaning of information, actions, etc.
81. International law allows each nation to \_\_\_\_\_ itself when its rights and interests are illegally violated.
- v. to protect someone or something from attack, criticism, danger, etc.
82. After the airing of the TV commercial, many people accessed the website, and the \_\_\_\_\_ went down.
- n. a computer program or a device from which other computers get information; a person who serves food in a restaurant
83. His \_\_\_\_\_ for lying caused him to lose many friends.
- n. a natural inclination, preference, or tendency toward a particular activity, behavior, or opinion
84. The liver produces and stores \_\_\_\_\_ for the body to use as a source of energy.
- n. a complex carbohydrate that is stored in the liver and muscles and broken down into glucose for energy when needed
85. Foods high in \_\_\_\_\_ include bread, pasta, and rice.
- n. (also carb) any of a class of organic compounds that includes sugars, starch, and cellulose and are a principal source of energy in the diet of animals
86. The chemical \_\_\_\_\_ of the new drug was a breakthrough in medical research.
- n. the combination of components or elements to form a more complex whole; the creation of something new through combining parts or elements

ANSWERS: 79. rebuild, 80. interpret, 81. defend, 82. server, 83. propensity, 84. glycogen, 85. carbohydrates, 86. synthesis

87. ATP molecules power the motor activity of \_\_\_\_\_.
- n.* a type of protein found in muscle tissue that is responsible for muscle contraction and movement
88. There was a chemical \_\_\_\_\_ of the lime with the groundwater.
- n.* a response that reveals a person's feelings or attitude; (in chemistry) a process in which one or more substances are changed into others
89. To expand the company, we must \_\_\_\_ new human resources.
- v.* to hit someone or something quickly, gently, and often repeatedly; to use existing resources, such as energy, knowledge, etc.
90. The construction company \_\_\_\_\_ the building with an earthquake-resistant device.
- v.* to provide a person or a place with the things that are needed for a particular purpose or activity
91. \_\_\_\_\_ the text from Italian into English.
- v.* to convert or change words into another language
92. Hydrogen and oxygen \_\_\_\_\_ to form water.
- v.* to join or merge to form a single thing or group
93. The \_\_\_\_\_ to the safe was a secret.
- n.* a collection of things that have been combined; an assemblage of separate parts or qualities
94. Better sleep leads to increased \_\_\_\_\_.
- n.* the set of chemical reactions in cells or organisms that are necessary for life-sustaining

ANSWERS: 87. myosin, 88. reaction, 89. tap, 90. equipped, 91. Translate, 92. combine, 93. combination, 94. metabolism

95. This country \_\_\_\_\_ its weapons in the east region.

*v.* to move troops or weapons into a position or military action; to bring into something in an effective way

96. The cold wind gave her \_\_\_\_\_ on her arms and legs.

*n.* a small bump that appears on the skin due to cold, fear, or excitement; a physiological response that causes the skin to contract and produce small bumps

97. \_\_\_\_\_ technologies have dramatically improved productivity in various industries.

*adj.* starting to exist, mature, or become well-known

98. The golfer recorded an \_\_\_\_\_ distance.

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

99. A suspension order from the court is effective \_\_\_\_\_.

*adv.* now or without delay

100. The research institute allocated a lot of money to study the cause and prevention of \_\_\_\_\_.

*n.* (formal for flu) a highly contagious viral disease that causes fever, severe aching, and catarrh and often occurs in epidemics

101. The military incarcerated him for the \_\_\_\_\_ of the war.

*n.* the length of time something lasts or continues

102. Several cities are experiencing \_\_\_\_\_ high unemployment rates.

*adv.* in a way that is very difficult to believe; exceedingly or extremely

ANSWERS: 95. deployed, 96. goosebumps, 97. Emerging, 98. amazing, 99. immediately, 100. influenza, 101. duration, 102. incredibly

103. Our natural \_\_\_\_\_ production decreases as we age, leading to wrinkles, sagging skin, and joint pain.
- n.* a fibrous protein that forms the connective tissues in animals, including skin, tendons, and bone; often used in cosmetic and medical treatments for its ability to add firmness and elasticity to skin or other tissues
104. The warm sun and gentle breeze \_\_\_\_\_ us to spend the day outside.
- v.* to gesture or signal someone to come nearer or follow; to encourage or entice someone to do something; to seem attractive or desirable
105. The vaccination does not necessarily make you completely \_\_\_\_\_.
- adj.* protected against a particular disease or toxin due to the presence of specific antibodies or sensitized white blood cells
106. The sound of the trumpet \_\_\_\_\_ the arrival of the king.
- v.* to be a sign or indication of something to come; to proclaim or announce something publicly, often with great enthusiasm or fanfare
107. The mobile application industry is \_\_\_\_\_ changing.
- adv.* all the time
108. She received special \_\_\_\_\_ training at the hospital.
- adj.* of or relating to the examination and treatment of patients rather than theoretical or laboratory studies
109. 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
110. She had to be \_\_\_\_\_ due to her injuries.
- v.* to admit someone to a hospital for medical treatment

ANSWERS: 103. collagen, 104. beckoned, 105. immune, 106. heralded, 107. constantly, 108. clinical, 109. neuron, 110. hospitalized

111. Continuous consumption of fatty foods leads to the hardening of the \_\_\_\_\_.
- n.* one of the thick tubes in humans and most other animals that takes blood away from the heart to one or more parts of the body such as tissues, lungs, brain, etc.
112. The police couldn't find a \_\_\_\_\_ to her whereabouts.
- n.* an object, a piece of evidence, or some information that helps someone to find the answer to a problem, question, or mystery
113. Later, his claim was found to be \_\_\_\_\_ false.
- adv.* completely
114. The \_\_\_\_\_ of the internet has dramatically changed the way we communicate.
- n.* the arrival or beginning of something; the coming of Jesus Christ at his birth
115. The food chain causes a material \_\_\_\_\_.
- n.* an interval during which a recurring sequence of events occurs; a bicycle or motorcycle
116. 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
117. The artist featured \_\_\_\_\_ colors and patterns, creating a vibrant and dynamic piece.
- adj.* a very large number
118. He had undergone heart \_\_\_\_\_ years before.
- n.* medical treatment of injuries or diseases involving an incision with instruments and often removing or replacing some parts of the body; the branch of medical science that treats disease or injury by operative procedures

ANSWERS: 111. artery, 112. clue, 113. entirely, 114. advent, 115. cycle, 116. dependent, 117. myriad, 118. surgery

119. Overall \_\_\_\_\_ are approximately 400x200mm.

*n.* a measurable extent of a particular kind, such as width, height, or length

120. We \_\_\_\_\_ the payment because of an incorrect invoice.

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

121. The picnic basket was \_\_\_\_\_ of sandwiches, fruit, and drinks.

*adj.* completely filled or crowded with something; having no space or room for additional things

122. The structure is \_\_\_\_\_ of three main components.

*v.* to write music, poetry, or formal writing; to constitute or make up a whole, or a specified part of it

123. The surgeon removed the healthy \_\_\_\_\_ from the donor.

*n.* either of a pair of small organs in the body that filter waste products, especially urea, from the blood and excrete them and water in urine

124. The \_\_\_\_\_ problem defied a solution.

*adj.* difficult to manage or control; stubborn or obstinate

125. The new \_\_\_\_\_ cinema has 12 screens showing the latest movies.

*n.* a cinema complex with several screens or theaters showing different films at the same time; an electronic device that allows several signals to be transmitted or processed simultaneously through a single channel; (adjective) relating to or consisting of multiple interconnected parts or elements

126. The \_\_\_\_\_ for applying for a visa can be lengthy and complicated.

*n.* a series of actions or operations performed to achieve a particular outcome or goal; a systematic procedure or approach used to accomplish a specific task or objective; a method of treating milk to make it suitable for consumption or use in other dairy products

ANSWERS: 119. dimensions, 120. delayed, 121. chock-full, 122. composed, 123. kidney, 124. intractable, 125. multiplex, 126. process

127. The security camera has \_\_\_\_\_ four intruders.

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

128. The \_\_\_\_\_ is about 13.8 billion years old.

*n.* everything that exists, especially all physical matter, including planets, stars, galaxies, and all other forms of matter and energy

129. Chronic \_\_\_\_\_ disorders, such as asthma, can significantly impact a person's quality of life.

*adj.* relating to the organs and processes involved in breathing, such as the lungs and the act of inhaling and exhaling air

130. 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

131. 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

132. \_\_\_\_\_ 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)

133. The software can \_\_\_\_\_ and decode encrypted messages.

*v.* to convert information into a code or format suitable for storage or transmission

134. We \_\_\_\_\_ for an overseas expansion.

*v.* to try or plan to get or achieve something

ANSWERS: 127. detected, 128. universe, 129. respiratory, 130. government, 131. spike, 132. Molecular, 133. encode, 134. aim

135. He did complicated pen-and-ink drawings like medieval \_\_\_\_\_.  
*adj.* being on a very small scale
136. Detectives are still attempting to \_\_\_\_\_ the mystery of his death.  
*v.* undo twisted, knitted, or woven threads by separating it
137. The painting is \_\_\_\_\_ and there is no other like it.  
*adj.* being the only one of its kind; unlike anything else
138. The \_\_\_\_\_ gene mutation can cause genetic disorders such as sickle cell disease.  
*n.* a protein-based molecule found in red blood cells that transports oxygen throughout the body
139. 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
140. He had a \_\_\_\_\_ love of reading and spent hours daily with a book.  
*adj.* lasting for the whole of someone's life
141. This pharmaceutical company is developing \_\_\_\_\_ drugs with fewer side effects.  
*n.* a substance produced in the blood that attacks and kills harmful bacteria, viruses, etc., to fight disease
142. Let's try to \_\_\_\_\_ a bit of enthusiasm into your performance.  
*v.* to put a liquid such as a drug or other substance into a person's or an animal's body using a needle and syringe (= small tube)

ANSWERS: 135. miniatures, 136. unravel, 137. unique, 138. hemoglobin, 139. tumor, 140. lifelong, 141. antibody, 142. inject



143. The \_\_\_\_\_ filaments are responsible for maintaining cell shape and movement.  
*n.* a protein found in muscle tissue that is involved in muscle contraction and movement
144. I received a parcel of great \_\_\_\_\_.  
*n.* the quantity or size of something that is very large; the main part of something
145. The findings of the experiment were both \_\_\_\_\_ and unexpected.  
*adj.* causing a lot of interest or excitement
146. The \_\_\_\_\_ properties of this herb have been known to help with various ailments.  
*adj.* of or relating to the treatment or cure of disease
147. The lack of sleep \_\_\_\_\_ both physical and psychological diseases.  
*v.* to persuade someone to do something; to cause to act in a specific manner
148. I need to \_\_\_\_\_ my car regularly to prevent any major mechanical issues.  
*v.* to continue to uphold or sustain; to keep in a particular state or condition; to assert or declare something to be true
149. Our system can now \_\_\_\_\_ with other databases.  
*v.* to connect similar things
150. We must manage to \_\_\_\_\_ our expenditure.  
*v.* to control something, especially by means of rules or laws
151. Customs have made their biggest ever \_\_\_\_\_ of cocaine.  
*n.* the action of taking something from somebody by the use of legal authority; a sudden occurrence or recurrence of a disease

ANSWERS: 143. actin, 144. bulk, 145. exciting, 146. medicinal, 147. induces, 148. maintain, 149. interconnect, 150. regulate, 151. seizure

152. The \_\_\_\_\_ woman is quite energetic.

*adj.* (a polite word for) old

153. It is an incredible \_\_\_\_\_ to climb Mount Everest, the highest mountain in the world.

*n.* a notable or impressive achievement, especially one that requires great skill or bravery

154. Her culinary \_\_\_\_\_ helped her create an impressive menu for the party.

*n.* practical knowledge, skills, or experience in a particular field or area, often acquired through personal experience or training

155. There is no \_\_\_\_\_ car park nearby.

*n.* money that you have to pay to use a particular road, bridge, etc.; (verb) to ring slowly

156. The animal rights group worked to \_\_\_\_\_ the dolphins back into the wild.

*v.* to set free or allow to escape from confinement

157. She agreed to \_\_\_\_\_ with him in creating new artwork.

*v.* to work with someone else to produce or achieve something

158. The hotel is only suitable for \_\_\_\_\_ stays, as it does not offer long-term accommodations.

*adj.* lasting only for a short time; not permanent or enduring

159. He spent only a \_\_\_\_\_ of his earnings.

*n.* a small part or item forming a piece of a whole; the quotient of two rational numbers

ANSWERS: 152. elderly, 153. feat, 154. know-how, 155. toll, 156. release, 157. collaborate, 158. transient, 159. fraction

160. 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

161. He used a fishing \_\_\_\_ to catch the biggest fish of the day.

- n.* a long, thin, straight piece of wood, metal, or other material used for support, as a weapon, or for punishment

162. I need to \_\_\_\_\_ plans with him for the celebration.

- v.* to plan, prepare for, and carry out something

163. The earthquake-\_\_\_\_\_ caused widespread destruction along the coast.

- n.* a huge ocean wave caused by an earthquake, volcano, or other disturbance

164. \_\_\_\_\_ research is essential to understanding the complex chemical reactions in living organisms.

- adj.* relating to the chemical processes and substances that occur within living organisms

165. The senator received \_\_\_\_\_ criticism from his opponent.

- adj.* extremely serious or bad in feeling, manner, or strict and harsh; extremely strong or vigorous

166. 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

167. The salespeople speak in technical terms to \_\_\_\_\_ that they are more knowledgeable than the customer.

- v.* to indicate the truth or existence of something without referring to it

ANSWERS: 160. chart, 161. rod, 162. arrange, 163. tsunami, 164. Biochemical, 165. severe, 166. genetic, 167. imply

168. In this culture, men are initiated when they reach \_\_\_\_\_.

- n.* the process of a person's physical changes through which their sexual organs develop and become capable of reproduction

169. The doctor prescribed some medicine for the mental \_\_\_\_\_.

- n.* an untidy state or a lack of organization; a physical condition or illness that causes problems with how a section of the body or brain functions

170. Our farm experienced a \_\_\_\_\_ of locusts this year.

- n.* any epidemic disease with a high death rate; (also called pest) a serious, sometimes fatal, infection spread by rats that causes fever and swellings on the body

171. She only visited her grandparents on \_\_\_\_\_ weekends.

- adj.* happening or appearing at irregular intervals; not constant or regular

172. The \_\_\_\_\_ arrived in port the following day.

- n.* a ship or large boat

173. The shape of the DNA \_\_\_\_\_ is a double helix.

- n.* a group of two or more atoms held together by attractive forces known as chemical bonds

174. They needed further \_\_\_\_\_ to perform their duties efficiently.

- n.* detailed direction, order, etc., on how to do or use something

175. An excellent historian must possess an \_\_\_\_\_ mentality.

- adj.* associated with schools, colleges, and universities, especially studying and thinking, not with practical skills

ANSWERS: 168. puberty, 169. disorder, 170. plague, 171. occasional, 172. vessel, 173. molecule, 174. instruction, 175. academic

176. The passenger grabbed for the \_\_\_\_\_ mask.

- n.* the chemical element with the symbol O that is present in air and water and is necessary for people, animals, and plants to live

177. The majority of synthetic vitamins are \_\_\_\_\_ from oil.

- v.* to make goods in large numbers, usually in a factory using machines

ANSWERS: 176. oxygen, 177. manufactured