

# Englist.me



## Vocabulary Builder Reference from...

*Jorge Soto: The future of early cancer detection? | TED Talk*

[https://www.ted.com/talks/jorge\\_soto\\_the\\_future\\_of\\_early\\_cancer\\_detection](https://www.ted.com/talks/jorge_soto_the_future_of_early_cancer_detection)

### All Words

#### IMPORTANT

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## Session 1: Word List

### suffer

*v.* to experience pain, distress, or hardship; to undergo or endure something painful or unpleasant

*synonym*: endure, undergo, tolerate

(1) **suffer** a setback, (2) **suffer** bad grades

The older man **suffers** from arthritis and finds it difficult to move around.

### norm

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

*synonym*: criterion, mean, standard

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

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

### injury

*n.* harm done to a person's or an animal's body caused by an accident or an attack

*synonym*: wound, damage, hurt

(1) without **injury**, (2) a fatal **injury**

My accidental **injury** got better right away.

### recommend

*v.* to suggest that someone or something would be a suitable fit for a particular purpose or role

*synonym*: advise, suggest, instruct

(1) **recommend** a hospitalization, (2) **recommend** reading

We **recommend** taking media training every six months.

## therapy

*n.* the act of caring for someone through medication, remedial training, etc.

*synonym*: antidote, medicine, treatment

(1) **therapy** for a patient, (2) field of gene **therapy**

I underwent aversion **therapy** for my addiction to alcohol.

## decide

*v.* to make up someone's mind about something; to come to a conclusion or judgment after considering options

*synonym*: choose, determine, settle

(1) **decide** a question, (2) **decide** on a course of action

She couldn't **decide** whether to order the pizza or the pasta for dinner.

## X-ray

*n.* a type of electromagnetic radiation that has a wavelength shorter than visible light allowing hidden objects such as bones and organs inside the body to be photographed

*synonym*: roentgenogram, photon radiography

(1) **X-ray** scan, (2) an **X-ray** of arteries

The doctor ordered an **X-ray** to see if there was any damage to the bones.

## discovery

*n.* the act or process of finding information, a place, or an object, or learning about something that was previously not known

*synonym*: finding, uncovering, detection

(1) a scientific **discovery**, (2) the great **discovery** of the century

Her research team made an important **discovery**.

## lung

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

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

He has terminal **lung** cancer.

## strain

*n.* a force or pressure that stretches or pulls something, sometimes causing damage; (biology) a group of organisms within a species that differ in trivial ways from similar groups

*synonym*: pressure, tension, breed

(1) **strain** our eyes, (2) a **strain** of bacillus

Dictators of the past often had the erroneous idea of a pure racial **strain**.

## tendon

*n.* a strong, fibrous cord of tissue that connects muscle to bone

*synonym*: tissue, sinew, ligament

(1) **tendon** grafting, (2) **tendon** collagen

**Tendon** injuries are common among athletes.

## rib

*n.* each of a series of curved bones that are connected to the spine and surround the chest; (adjective) subject to laughter or ridicule

*synonym*: costa

(1) brake a **rib**, (2) **rib** cage

The accident caused a cracked **rib**.

## biopsy

*n.* the process of removing and examining tissue from the body of the sick person to determine the existence or cause of a disease

*synonym*: examination, autopsy

(1) **biopsy** of bone marrow, (2) liquid **biopsy**

The doctor performed an excisional breast **biopsy**.

## cancer

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

*synonym*: tumor, carcinoma, malignancy

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

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

## cigarette

*n.* a small cylindrical roll of finely cut tobacco leaves wrapped in paper for smoking

*synonym*: smoke, cigar, tobacco

(1) a mild **cigarette**, (2) a **cigarette** case

He lit a **cigarette** and leaned against the wall.

## alcohol

*n.* a clear liquid that can make people drunk and is used in medicines, cleaning products, etc.

*synonym*: booze, liquor, ethanol

(1) stop drinking **alcohol**, (2) diluted **alcohol**

There is a clear association between **alcohol** consumption and cognitive decline.

## prop

*n.* a piece of wood, metal, etc., placed beneath or against something to support it or keep it in position; a system, institution, or person that gives help or support to someone or something

*synonym*: support, buttress, column

(1) emotional **prop**, (2) **prop** stick

We have finally lost our last **prop**.

## diagnose

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

*synonym*: identify, analyze, interpret

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

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

## unfortunately

*adv.* by bad luck; unluckily

*synonym*: regrettably, unluckily, alas

(1) **unfortunately** caught in a shower, (2) even more **unfortunately**

The treatments were done but, **unfortunately**, were unsuccessful.

## 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.

## 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.

## discard

*v.* to throw something away or get rid of something that you no longer wanted or need

*synonym* : throw away, reject, abandon

(1) **discard** old beliefs, (2) **discard** the downloaded data

He **discarded** the old torn shirt and bought a new one.

## 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.

## frustrate

*v.* to hinder or prevent efforts, plans, or desires from doing, succeeding, or being fulfilled; to make someone feel upset or annoyed because they are unable to change or achieve something

*synonym* : hinder, thwart, dishearten

(1) **frustrate** the advancement, (2) **frustrate** other team members

The coach explained a strategy to **frustrate** the opponent's

schemes to the players.

## medical

*adj.* relating to the treatment of illness or injuries; relating to the practice of medicine

*synonym*: health, disease, treatment

(1) a **medical** opinion, (2) temporary **medical** treatment

The **medical** team worked quickly to save the patient's life.

## procedure

*n.* a way of doing something, especially the official or well-known way

*synonym*: action, approach, course

(1) undergo a surgical **procedure**, (2) standard **procedure**

The pilot and flight attendant ran through the check-out **procedure**.

## indicate

*v.* to show, point out, or make known something, often through a sign or a symbol; to suggest or imply something without stating it directly

*synonym*: hint, suggest, show

(1) **indicate** a preference, (2) **indicate** an error

The data **indicates** that the company's profits have steadily increased over the past quarter.

## detection

*n.* the act of discovering or identifying the presence of something

*synonym*: discovery, identification, recognition

(1) **detection** by the security software, (2) importance of early **detection**

This smartphone has a collision **detection** function.

## bullet

*n.* a metal projectile that is shot from a gun

*synonym*: projectile, slug, shot

(1) **bullet** wound, (2) **bullet** train

The stray **bullet** went through the window and hit the wall.

## lifetime

*n.* the duration of someone's life or something's existence;

*synonym*: lifespan, duration

(1) **lifetime** benefits, (2) **lifetime** ban from the sport  
She had lived through two world wars in her **lifetime**.

## monitor

v. to observe, check, and track the progress or quality of something over a period of time

*synonym* : proctor, check, observe

(1) **monitor** an exam, (2) **monitor** the data carefully  
They used a special receiver to **monitor** police radio channels.

## appropriate

*adj.* suitable or proper in the circumstances; fitting

*synonym* : fitting, suitable, proper

(1) **appropriate** behavior, (2) an **appropriate** time  
It would be **appropriate** to dress nicely for the wedding.

## 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.

## context

*n.* the circumstances, facts, or conditions that surround a particular event, situation, or statement and that give it meaning

*synonym* : background, setting, environment

(1) historical **context**, (2) legal **context**

It's important to understand the **context** of a situation before making a decision.

## disrupt

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

*synonym* : interrupt, disturb, break into

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

## exponential

*adj.* becoming more and more rapid; of or involving mathematical exponents

(1) **exponential** growth, (2) **exponential** function

Since the 1990s, the Internet has continued to experience **exponential** growth.

## biology

*n.* the scientific study of life and the natural processes of living things

(1) evolutionary **biology**, (2) cell and molecular **biology**

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

## realm

*n.* a domain of activity, interest, or knowledge

*synonym*: domain, empire, kingdom

(1) public **realm**, (2) beyond the **realm** of possibility

Her passions are in the **realm** of real-world political affairs.

## advance

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

*synonym*: progress, boost, come along

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

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

## progression

*n.* the act or process of changing to the next stage or phase or moving forward

*synonym*: advancement, development, evolution

(1) **progression** of civilization, (2) **progression** of disease

The company has made great strides in its **progression** toward sustainability.

## accelerate

*v.* to make something faster or earlier; to cause to develop or progress more quickly

*synonym*: speed up, quicken, rev

(1) **accelerate** a chemical reaction, (2) **accelerate** the car

The government tried to **accelerate** the commercialization of



this development.

## democracy

*n.* a form of government in which the people have the authority to deliberate and decide legislation, or to choose governing officials to do so

*synonym* : self-government, republic, commonwealth

(1) **democracy** advocate, (2) principles of **democracy**  
**Democracy** often entails inclusive capitalism as well.

## smartphone

*n.* a mobile phone that functions as a computer and connects to the Internet

(1) **smartphone** app developer, (2) **smartphone** addict  
Internet traffic volumes have increased significantly with the advent of **smartphones**.

## entrepreneurship

*n.* the process or skill of starting and running a business, particularly a new and innovative one

*synonym* : self-employment, risk-taking

(1) **entrepreneurship** culture, (2) embody **entrepreneurship**

The government is investing in programs to support **entrepreneurship** and small business development.

## multidisciplinary

*adj.* integrating or involving various academic fields or different skills in a topic or problem-solving approach

*synonym* : integrative, interdisciplinary

(1) **multidisciplinary** project, (2) **multidisciplinary** analysis  
He adopted a **multidisciplinary** research approach to unravel complex phenomena.

## tackle

*v.* to try to deal with a complex problem or situation

*synonym* : deal with, dive into, work on

(1) **tackle** the issue, (2) help **tackle** climate change

The government is determined to **tackle** sharp inflation.

## technological

*adj.* based on scientific and industrial progress

*synonym* :

specialized, technical

(1) **technological** advancement, (2) **technological** policy  
**Technological** advances have disrupted many industries.

## reliable

*adj.* worthy of being relied on; trustworthy

*synonym*: dependable, trustworthy, dedicated

(1) **reliable** access, (2) guarantee **reliable** delivery

Trains are **reliable**, inexpensive, and ideal for long-distance travel.

## accurate

*adj.* correct and exact in all details

*synonym*: exact, precise, proper

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

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

## 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.

## 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.

## circulate

*v.* to move continuously or freely around a place or closed system

*synonym*: flow, disperse, rotate

(1) **circulate** a rumor, (2) **circulate** an agenda before the meeting

The fan **circulates** the air in the room quickly.

## microRNA

*n.* a type of small non-coding RNA (= a type of nucleic acid that is essential for the transfer of genetic information from DNA to proteins) molecule that plays a crucial role in regulating gene expression and protein synthesis

*synonym*: RNA molecule, non-coding RNA

(1) **microRNA** expression, (2) dysregulated **microRNA**

Researchers are studying the role of **microRNAs** in regulating gene expression and potential medical applications.

## 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.

## modification

*n.* the act of changing something, usually to improve it, or something changed

*synonym*: change, amendment, alteration

(1) a **modification** of last year's model, (2) further **modification**

As a result of this **modification**, we have revised our safety measures.

## observe

*v.* to watch or notice something carefully, often to gather information or insights; to take note of something or someone; to celebrate or commemorate a special event or occasion

*synonym*: watch, monitor, scrutinize

(1) **observe** a tradition, (2) **observe** wildlife

It is important to **observe** safety procedures in the workplace to prevent accidents.

## function

*n.* the purpose or use of an object, system, or process; a particular activity or operation that is designed to serve a specific purpose; a mathematical concept that describes

a relationship between two sets of values, called the input and output sets; (verb) to operate or work in a specific way, or to perform a particular task or purpose

*synonym*: purpose, mapping, job

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

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

## **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.

## **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**.

## **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.

## **stimulus**

*n.* something that causes growth or arouses action

*synonym*: incitement, inspiration, motivation

(1) a response to a **stimulus**, (2) economic **stimulus**

This book provides children with ideas and a **stimulus** for outside recreation.

## relevance

*n.* the state or degree of being closely connected or appropriate to the matter at hand

*synonym*: pertinence, applicability, connection

(1) have no **relevance**, (2) **relevance** category

The **relevance** of this information to the current situation needs to be investigated.

## 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.

## 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.

## 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.

## specific

*adj.* clearly defined or particular to a certain thing or situation; distinct, explicit, and precise

*synonym*: particular, definite, distinct

(1) **specific** instructions, (2) industry- **specific** regulations

The scientist conducted a study that provided **specific** details about the species' behavior.

## vary

*v.* to become different in terms of size, shape, etc.

*synonym*: alter, contrast, differ

(1) **vary** according to the age, (2) **vary** directly with the price  
Maximum heart rates **vary** a lot for each individual.

## internal

*adj.* of or relating to the inside of something

*synonym*: interior, inner, domestic

(1) **internal** organs, (2) the **internal** economy

The prime minister canceled visits to other countries to resolve **internal** disputes.

## environment

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

*synonym*: atmosphere, surroundings, climate

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

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

## biomarker

*n.* a characteristic that is objectively measured and evaluated as an indicator of normal biological processes, pathogenic processes, or pharmacologic responses to a therapeutic intervention

*synonym*: indicator, measure, signature

(1) diabetes **biomarker**, (2) **biomarker** discovery

The **biomarker** test showed that the patient was responding well to the treatment.

## controllable

*adj.* able to be controlled or directed

*synonym*: manageable, governable, submissive

(1) computer- **controllable**, (2) **controllable** aircraft

The new software is much more **controllable** and user-friendly.

## sever

*v.* to break or separate something by cutting, especially suddenly and forcibly

*synonym*: cut apart, separate, detach

(1) **sever** a rope, (2) **sever** a positive relationship  
He **severed** a branch from a tree quickly.

## abnormal

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

*synonym*: aberrant, bizzare, unusual

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

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

## medication

*n.* a drug or other form of medicine that treats, prevents, or alleviates the symptoms of the disease

*synonym*: cure, drug, medicine

(1) antibiotic **medication**, (2) **medication** by mouth

The pharmacist not only prescribes the **medication** but also guides its proper use.

## remission

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

*synonym*: forgiveness, amnesty, absolution

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

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

## sensitive

*adj.* able to notice slight changes, signals, or influences; able to feel or perceive other's feelings; susceptible to the things people say or do

*synonym*: exposed, susceptible, keen

(1) **sensitive** documents, (2) baby with **sensitive** skin

The teacher is very **sensitive** to children's feelings.

## 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.

## nucleotide

*n.* a basic structural unit or building block of nucleic acids (DNA and RNA) consisting of a sugar molecule, a phosphate group, and a nitrogenous base (adenine, cytosine, guanine, thymine, or uracil), which combine to form the genetic code and carry information within cells

*synonym* : base pair, DNA building block

(1) **nucleotide** sequence, (2) DNA **nucleotide**

Adenine and thymine are complementary **nucleotides** in DNA.

## differentiate

*v.* to recognize or establish as being distinct; to distinguish between things that are compared; to calculate a derivative

*synonym* : discern, distinguish, separate

(1) **differentiate** between fact and fiction, (2) **differentiate** a function

The teacher asked the students to **differentiate** between the two similar species of birds.

## demonstration

*n.* a display or show, often of a particular skill or product, intended to convince or persuade others

*synonym* : manifestation, presentation, show

(1) **demonstration** project, (2) a campus **demonstration**

Thousands of people attended the protest **demonstration** against the proposed policy.

## lab

*n.* a workplace for the conduct of scientific research; a laboratory

*synonym* : workshop, laboratory, research chamber

(1) **lab** instrument, (2) medical **lab**

The Prime Minister will pay a courtesy visit to the Nobel laureate's **lab**.



## technique

*n.* a particular way or art of doing something that needs skill

*synonym*: approach, procedure, strategy

(1) a **technique** in martial arts, (2) the **technique** applied to construction

Jockey's superior **technique** brought him victory.

## extract

*n.* a short passage taken from a book, piece of music, etc.; a substance obtained from something through a specific process; (verb) to obtain from something or to remove something by effort or force

*synonym*: excerpt, quote, distillation

(1) a brief **extract** from the book, (2) botanical **extract**

Anesthetize the gum before **extracting** the teeth.

## 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.

## assign

*v.* to give a specific job or piece of work to a someone

*synonym*: entrust, delegate, designate

(1) **assign** projects, (2) **assign** top priority

Please **assign** a different color to each other kind of item.

## trap

*n.* a piece of equipment or hole for catching animals or people; (verb) to catch animals or people and prevent them from escaping

*synonym*: catch, snare, pinfall

(1) set a **trap**, (2) **trap** an animal

The enemy fell right into the **trap**.

## device

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

*synonym* : gadget, instrument, tool

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

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

## database

*n.* a large amount of data stored in a computer system in such a way that it can be searched and updated easily

(1) **database** administrator, (2) employee **database**

Each country's officials can access the central **database**.

## interpretation

*n.* an explanation or opinion of something, especially that is not immediately obvious

*synonym* : rendering, explanation, understanding

(1) the **interpretation** of history, (2) open to **interpretation**

His **interpretations** of literary works are often unique.

## analyze

*v.* to think about in-depth and evaluate to discover essential features or meaning

*synonym* : explore, examine, investigate

(1) **analyze** a chemical compound, (2) **analyze** your real motives

The teacher attempted to **analyze** the root cause of our mistake.

## 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.

## react

*v.* to take action in response to something

*synonym* : respond, reply, oppose

(1) **react** at a high temperature, (2) **react** against his way of thinking

How did he **react** to your idea?

## correlate

*v.* to have a connection or relationship in which one thing affects or depends on another

*synonym*: associate, liken, connect

(1) **correlate** closely with the quality, (2) **correlate** to the size

We may frequently **correlate** age with the frequency of disease.

## presence

*n.* the fact or state that someone or something exists, occurs, or is present

*synonym*: existence, actuality, fact

(1) the evidence of the **presence**, (2) his majestic **presence**

The path to a solid online **presence** necessitates a high technical ability.

## pancreas

*n.* a glandular organ in the digestive system that produces several important hormones, including insulin and glucagon, as well as digestive enzymes that help break down food in the small intestine

*synonym*: gland, organ, islet

(1) **pancreas** inflammation, (2) **pancreas** function

The endocrine function of the **pancreas** involves the secretion of hormones such as insulin.

## aspect

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

*synonym*: characteristic, element, factor

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

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

## decode

*v.* to convert something, such as a message or piece of information, from a specific form into one that you can understand

*synonym*: decipher, translate, interpret

(1) **decode** a message, (2) ability to **decode** the differences

The software could **decode** the encrypted data and reveal

the hidden information.

## acute

*adj.* extremely sharp or severe

*synonym* : sharp, perceptive, keen

(1) **acute** pain, (2) **acute** triangle

The patient died from **acute** alcohol intoxication.

## isolate

*v.* to physically or socially separate someone or something from other people or things

*synonym* : separate, sequester, insulate

(1) **isolate** a compound, (2) **isolate** a patient

You should not **isolate** them from the community.

## episode

*n.* a happening or story that is distinctive in a series of related events; an abrupt short period during which someone suffers from the effects of a physical or mental illness

*synonym* : event, chapter, seizure

(1) end of the first **episode**, (2) **episode** of vertigo

I want to put that **episode** of my life behind me.

## permanent

*adj.* lasting for a long time without essential change

*synonym* : lasting, ceaseless, endless

(1) literature of **permanent** value, (2) **permanent** life insurance

She is searching for a **permanent** residence.

## basis

*n.* the most important facts, ideas, or events from which something is developed; the way how things are organized or arranged

*synonym* : foundation, base, ground

(1) on an equal **basis**, (2) **basis** for calculation

This evidence will form the **basis** for our discussion.

## platform

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

software is executed

*synonym* : stage, podium, forum

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

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

## prototype

*n.* a first or preliminary example of something such as a device or vehicle from which other forms are developed

*synonym* : mock-up, precursor, model

(1) complete a **prototype** product, (2) early **prototype**

The flying car is presently in the **prototype** stage.

## state-of-the-art

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

*synonym* : advanced, cutting-edge, innovative

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

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

## communal

*adj.* belonging to or used by a group rather than individuals; for common use

*synonym* : collaborative, combined, collective

(1) **communal** swimming pool, (2) **communal** combination of funds

**Communal** elections were held in several European countries.

## identify

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

*synonym* : determine, specify, recognize

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

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

## breast

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

*synonym* : bosom, chest, bust

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

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

## hepatic

*adj.* relating to or affecting the liver; characteristic or pertaining to the liver

*synonym* : liver-related, hepatocellular

(1) **hepatic** duct, (2) **hepatic** enzymes

The patient underwent a **hepatic** transplant to improve liver function.

## 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.

## collaboration

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

*synonym* : affiliation, alliance, coalition

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

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

## germ

*n.* a very tiny living that causes the disease; a piece of something such as an organism, concept, etc., capable of growing into a new one or part of one

*synonym* : bacterium, microbe, pathogen

(1) antibiotic-resistant **germ**, (2) a **germ-free** environment

The **germ** of his idea came from watching birds flying in flocks.

## invasive

*adj.* spreading very quickly, and often aggressively, and difficult to stop

*synonym* : aggressive, rampant, spreading

(1) **invasive** breast cancer, (2) **invasive** species  
The **invasive** disease can spread quickly and potentially cause a global pandemic.

### affordable

*adj.* not expensive and able to pay  
*synonym*: cheap, reasonable, inexpensive

(1) **affordable** housing, (2) **affordable** solution  
The automaker has been providing **affordable** car financing options since last year.

### dramatically

*adv.* in a very impressive manner  
*synonym*: greatly, noticeably, suddenly

(1) he confessed **dramatically**, (2) the cabin pressure fell **dramatically**  
Life expectancy has grown **dramatically** this century.

### relative

*adj.* considered and evaluated through comparison with something else  
*synonym*: comparative, proximate, congeneric

(1) a remote **relative**, (2) **relative** factors  
Most countries prohibit sexual activity between certain close **relatives**.

### array

*n.* a large group or collection of things or people, especially one that is impressive or attractive  
*synonym*: collection, display, batch

(1) a two-dimensional **array**, (2) an **array** of troops  
The customer on the Internet has to choose one from a formidable **array** of products.

### brave

*adj.* showing courage or fearlessness in the face of danger, difficulty, or adversity  
*synonym*: courageous, valiant, heroic

(1) **brave** soldier, (2) **brave** decision  
The **brave** firefighter rescued the family from the burning building.

## attitude

*n.* the way you think and feel about someone or something  
*synonym* : mindset, perspective, philosophy

(1) **attitude** toward mistakes, (2) **attitude** control

She had the **attitude** that work was fun.

## routinely

*adv.* on a regular or habitual basis; in a manner that is customary or expected

*synonym* : habitually, regularly, customarily

(1) **routinely** check, (2) **routinely** scheduled maintenance

They **routinely** conduct fire drills to ensure everyone in the building knows what to do in an emergency.

## breakthrough

*n.* a sudden, dramatic, and important discovery or development that helps to improve a situation or provide an answer to a problem

*synonym* : advance, progress, innovation

(1) **breakthrough** in the negotiations, (2) **breakthrough** discovery

A technique called deep learning has led to **breakthroughs** in AI.



## Session 2: Spelling

- |                                    |      |  |
|------------------------------------|------|--|
| 1. de___t smuggling across borders | v.   | to find or recognize something, especially something difficult to see, hear, etc.  |
| 2. de_____cy advocate              | n.   | a form of government in which the people have the authority to deliberate and decide legislation, or to choose governing officials to do so  |
| 3. dysregulated mi_____NA          | n.   | a type of small non-coding RNA (= a type of nucleic acid that is essential for the transfer of genetic information from DNA to proteins) molecule that plays a crucial role in regulating gene expression and protein synthesis  |
| 4. se_____ve documents             | adj. | able to notice slight changes, signals, or influences; able to feel or perceive other's feelings; susceptible to the things people say or do   |
| 5. exp_____al growth               | adj. | becoming more and more rapid; of or involving mathematical exponents   |
| 6. tec_____cal advancement         | adj. | based on scientific and industrial progress  |
| 7. med_____on by mouth             | n.   | a drug or other form of medicine that treats, prevents, or alleviates the symptoms of the disease  |
| 8. fu_____on properly              | n.   | the purpose or use of an object, system, or process; a particular activity or operation that is designed to serve a specific purpose; a mathematical concept that describes a relationship between two sets of values, called the input and output sets; (verb) to operate or work in a specific way, or to perform a particular task or purpose |

ANSWERS: 1. detect, 2. democracy, 3. microRNA, 4. sensitive, 5. exponential, 6. technological, 7. medication, 8. function

9. the DNA se\_\_\_\_\_ce                    *n.* a series of related events, actions, numbers, etc., which have a particular order
10. co\_\_\_\_\_te to the size                *v.* to have a connection or relationship in which one thing affects or depends on another
11. liquid bi\_\_\_\_y                            *n.* the process of removing and examining tissue from the body of the sick person to determine the existence or cause of a disease
12. diluted al\_\_\_\_\_l                        *n.* a clear liquid that can make people drunk and is used in medicines, cleaning products, etc.
13. the great di\_\_\_\_\_ry of the century    *n.* the act or process of finding information, a place, or an object, or learning about something that was previously not known
14. di\_\_\_\_\_d old beliefs                    *v.* to throw something away or get rid of something that you no longer wanted or need
15. id\_\_\_\_\_fy gene sequences            *v.* to recognize someone or something and say or prove who or what they are
16. set a t\_\_p                                 *n.* a piece of equipment or hole for catching animals or people; (verb) to catch animals or people and prevent them from escaping
17. me\_\_\_\_\_er app                         *n.* someone or something that carries a message, especially one sent to convey information, news, or an official document

ANSWERS: 9. sequence, 10. correlate, 11. biopsy, 12. alcohol, 13. discovery, 14. discard, 15. identify, 16. trap, 17. messenger

18. he\_\_\_\_c duct *adj.* relating to or affecting the liver; characteristic or pertaining to the liver
19. 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
20. re\_\_\_\_\_nd reading *v.* to suggest that someone or something would be a suitable fit for a particular purpose or role
21. a fatal in\_\_\_\_y *n.* harm done to a person's or an animal's body caused by an accident or an attack
22. on an equal ba\_\_s *n.* the most important facts, ideas, or events from which something is developed; the way how things are organized or arranged
23. ad\_\_\_\_e the technology *v.* to go or move forward; to develop in a positive way
24. medical l\_b *n.* a workplace for the conduct of scientific research; a laboratory
25. st\_\_\_\_n our eyes *n.* a force or pressure that stretches or pulls something, sometimes causing damage; (biology) a group of organisms within a species that differ in trivial ways from similar groups
26. 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

ANSWERS: 18. hepatic, 19. protein, 20. recommend, 21. injury, 22. basis, 23. advance, 24. lab, 25. strain, 26. disease

27. de\_\_\_\_\_on by the security software     *n.* the act of discovering or identifying the presence of something
28. an\_\_\_\_\_e your real motives     *v.* to think about in-depth and evaluate to discover essential features or meaning
29. a ci\_\_\_\_\_te case     *n.* a small cylindrical roll of finely cut tobacco leaves wrapped in paper for smoking
30. ep\_\_\_\_\_e of vertigo     *n.* a happening or story that is distinctive in a series of related events; an abrupt short period during which someone suffers from the effects of a physical or mental illness
31. early pr\_\_\_\_\_pe     *n.* a first or preliminary example of something such as a device or vehicle from which other forms are developed
32. literature of pe\_\_\_\_\_nt value     *adj.* lasting for a long time without essential change
33. v\_\_y directly with the price     *v.* to become different in terms of size, shape, etc.
34. ba\_\_s for calculation     *n.* the most important facts, ideas, or events from which something is developed; the way how things are organized or arranged
35. ta\_\_\_e the issue     *v.* to try to deal with a complex problem or situation
36. 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: 27. detection, 28. analyze, 29. cigarette, 30. episode, 31. prototype, 32. permanent, 33. vary, 34. basis, 35. tackle, 36. catalyst

37. provide ac\_\_\_\_te information      *adj.* correct and exact in all details
38. help ta\_\_\_e climate change      *v.* to try to deal with a complex problem or situation
39. re\_\_\_\_\_nd a hospitalization      *v.* to suggest that someone or something would be a suitable fit for a particular purpose or role
40. id\_\_\_\_\_fy handwriting      *v.* to recognize someone or something and say or prove who or what they are
41. col\_\_\_\_\_ion platform      *n.* the act or situation of working together to create or produce something
42. pa\_\_\_\_\_as function      *n.* a glandular organ in the digestive system that produces several important hormones, including insulin and glucagon, as well as digestive enzymes that help break down food in the small intestine
43. participate in cl\_\_\_\_\_al trials      *adj.* of or relating to the examination and treatment of patients rather than theoretical or laboratory studies
44. as\_\_\_ts of social, political, and economic life      *n.* one part or feature of a situation, problem, subject, etc.
45. the se\_\_\_\_\_ce of the seasons      *n.* a series of related events, actions, numbers, etc., which have a particular order
46. cl\_\_\_\_\_al surgery      *adj.* of or relating to the examination and treatment of patients rather than theoretical or laboratory studies
47. economic st\_\_\_\_\_us      *n.* something that causes growth or arouses action

ANSWERS: 37. accurate, 38. tackle, 39. recommend, 40. identify, 41. collaboration, 42. pancreas, 43. clinical, 44. aspect, 45. sequence, 46. clinical, 47. stimulus

48. dif\_\_\_\_\_ate a function      *v.* to recognize or establish as being distinct; to distinguish between things that are compared; to calculate a derivative
49. sma\_\_\_\_\_ne app developer      *n.* a mobile phone that functions as a computer and connects to the Internet
50. se\_\_r a rope      *v.* to break or separate something by cutting, especially suddenly and forcibly
51. l\_\_g capacity      *n.* either of the two organs in the chest that people and some animals use for breathing
52. sta\_\_\_\_\_art software      *adj.* characterized by the use of the latest and most advanced technology or methods; cutting-edge
53. pe\_\_\_\_\_nt life insurance      *adj.* lasting for a long time without essential change
54. re\_\_t against his way of thinking      *v.* to take action in response to something
55. li\_\_\_\_\_me ban from the sport      *n.* the duration of someone's life or something's existence;
56. do l\_\_g transplantation      *n.* either of the two organs in the chest that people and some animals use for breathing
57. mo\_\_\_\_\_le behavior      *n.* a group of two or more atoms held together by attractive forces known as chemical bonds
58. brake a r\_b      *n.* each of a series of curved bones that are connected to the spine and surround the chest; (adjective) subject to laughter or ridicule

ANSWERS: 48. differentiate, 49. smartphone, 50. sever, 51. lung, 52. state-of-the-art, 53. permanent, 54. react, 55. lifetime, 56. lung, 57. molecule, 58. rib

59. bio\_\_\_\_\_al reaction *adj.* relating to the chemical processes and substances that occur within living organisms
60. bre\_\_\_\_\_ugh in the negotiations *n.* a sudden, dramatic, and important discovery or development that helps to improve a situation or provide an answer to a problem
61. ac\_\_\_\_\_te measurements *adj.* correct and exact in all details
62. antibiotic med\_\_\_\_\_on *n.* a drug or other form of medicine that treats, prevents, or alleviates the symptoms of the disease
63. p\_\_p stick *n.* a piece of wood, metal, etc., placed beneath or against something to support it or keep it in position; a system, institution, or person that gives help or support to someone or something
64. baby with se\_\_\_\_\_ve skin *adj.* able to notice slight changes, signals, or influences; able to feel or perceive other's feelings; susceptible to the things people say or do
65. public re\_\_m *n.* a domain of activity, interest, or knowledge
66. bi\_\_\_\_\_er discovery *n.* a characteristic that is objectively measured and evaluated as an indicator of normal biological processes, pathogenic processes, or pharmacologic responses to a therapeutic intervention

ANSWERS: 59. biochemical, 60. breakthrough, 61. accurate, 62. medication, 63. prop, 64. sensitive, 65. realm, 66. biomarker

67. pa\_\_\_\_as inflammation *n.* a glandular organ in the digestive system that produces several important hormones, including insulin and glucagon, as well as digestive enzymes that help break down food in the small intestine
68. electronic de\_\_\_e *n.* a piece of equipment, tool, or technology that serves a particular purpose or function, often mechanical or electronic
69. 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
70. ab\_\_\_\_al cells *adj.* not typical, usual, or regular, especially in a way that is bad
71. a mod\_\_\_\_\_ion of last year's model *n.* the act of changing something, usually to improve it, or something changed
72. 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
73. ac\_\_e pain *adj.* extremely sharp or severe
74. t\_\_p an animal *n.* a piece of equipment or hole for catching animals or people; (verb) to catch animals or people and prevent them from escaping

ANSWERS: 67. pancreas, 68. device, 69. protein, 70. abnormal, 71. modification, 72. process, 73. acute, 74. trap



75. 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
76. DNA nuc\_\_\_\_\_de *n.* a basic structural unit or building block of nucleic acids (DNA and RNA) consisting of a sugar molecule, a phosphate group, and a nitrogenous base (adenine, cytosine, guanine, thymine, or uracil), which combine to form the genetic code and carry information within cells
77. the in\_\_\_\_\_al economy *adj.* of or relating to the inside of something
78. bi\_\_\_y of bone marrow *n.* the process of removing and examining tissue from the body of the sick person to determine the existence or cause of a disease
79. embody ent\_\_\_\_\_hip *n.* the process or skill of starting and running a business, particularly a new and innovative one
80. env\_\_\_\_\_nt affairs *n.* the natural world such as air, water, and land in which humans, animals, and plants live
81. 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)
82. small mo\_\_\_\_\_les *n.* a group of two or more atoms held together by attractive forces known as chemical bonds

ANSWERS: 75. chart, 76. nucleotide, 77. internal, 78. biopsy, 79. entrepreneurship, 80. environment, 81. molecular, 82. molecule

83. ci\_\_\_\_\_te an agenda before the meeting  
v. to move continuously or freely around a place or closed system
84. antibiotic-resistant g\_\_m  
n. a very tiny living that causes the disease; a piece of something such as an organism, concept, etc., capable of growing into a new one or part of one
85. undergo a surgical pr\_\_\_\_\_re  
n. a way of doing something, especially the official or well-known way
86. end of the first ep\_\_\_\_\_e  
n. a happening or story that is distinctive in a series of related events; an abrupt short period during which someone suffers from the effects of a physical or mental illness
87. de\_\_\_e on a course of action  
v. to make up someone's mind about something; to come to a conclusion or judgment after considering options
88. ro\_\_\_\_\_ly check  
adv. on a regular or habitual basis; in a manner that is customary or expected
89. acc\_\_\_\_\_te the car  
v. to make something faster or earlier; to cause to develop or progress more quickly
90. immune fu\_\_\_\_\_on  
n. the purpose or use of an object, system, or process; a particular activity or operation that is designed to serve a specific purpose; a mathematical concept that describes a relationship between two sets of values, called the input and output sets; (verb) to operate or work in a specific way, or to perform a particular task or purpose

ANSWERS: 83. circulate, 84. germ, 85. procedure, 86. episode, 87. decide, 88. routinely, 89. accelerate, 90. function

91. have ge\_\_\_\_c testing *adj.* of or relating to genes (= parts of the DNA in cells) or the science of genes
92. field of gene th\_\_\_\_y *n.* the act of caring for someone through medication, remedial training, etc.
93. at\_\_\_\_de toward mistakes *n.* the way you think and feel about someone or something
94. in\_\_\_\_ve breast cancer *adj.* spreading very quickly, and often aggressively, and difficult to stop
95. in\_\_\_\_te an error *v.* to show, point out, or make known something, often through a sign or a symbol; to suggest or imply something without stating it directly
96. cultural n\_\_m *n.* something that is regarded as usual, typical, or standard
97. su\_\_\_\_r a setback *v.* to experience pain, distress, or hardship; to undergo or endure something painful or unpleasant
98. di\_\_\_\_t a well-ordered condition *v.* to prevent or stop something, especially an event, activity, or process, from continuing in the usual way by causing a problem or disturbance
99. acc\_\_\_\_te a chemical reaction *v.* to make something faster or earlier; to cause to develop or progress more quickly
100. a remote re\_\_\_\_ve *adj.* considered and evaluated through comparison with something else
101. mo\_\_\_\_r an exam *v.* to observe, check, and track the progress or quality of something over a period of time

ANSWERS: 91. genetic, 92. therapy, 93. attitude, 94. invasive, 95. indicate, 96. norm, 97. suffer, 98. disrupt, 99. accelerate, 100. relative, 101. monitor

102. unf\_\_\_\_\_ely caught in a shower     *adv.* by bad luck; unluckily
103. tracking de\_\_\_e     *n.* a piece of equipment, tool, or technology that serves a particular purpose or function, often mechanical or electronic
104. r\_b cage     *n.* each of a series of curved bones that are connected to the spine and surround the chest; (adjective) subject to laughter or ridicule
105. temporary me\_\_\_\_\_l treatment     *adj.* relating to the treatment of illness or injuries; relating to the practice of medicine
106. the evidence of the pr\_\_\_\_\_ce     *n.* the fact or state that someone or something exists, occurs, or is present
107. employee da\_\_\_\_\_se     *n.* a large amount of data stored in a computer system in such a way that it can be searched and updated easily
108. the cabin pressure fell dra\_\_\_\_\_lly     *adv.* in a very impressive manner
109. aff\_\_\_\_\_le solution     *adj.* not expensive and able to pay
110. a digital pl\_\_\_\_\_rm for enterprise     *n.* the raised flat space close to the track at a train station where passengers get on or off the train; (technology) a computational or digital environment in which a piece of software is executed
111. con\_\_\_\_\_ble aircraft     *adj.* able to be controlled or directed
112. evolutionary bi\_\_\_\_\_y     *n.* the scientific study of life and the natural processes of living things

ANSWERS: 102. unfortunately, 103. device, 104. rib, 105. medical, 106. presence, 107. database, 108. dramatically, 109. affordable, 110. platform, 111. controllable, 112. biology

113. bu\_\_\_t wound *n.* a metal projectile that is shot from a gun
114. dif\_\_\_\_\_ate between fact and fiction *v.* to recognize or establish as being distinct; to distinguish between things that are compared; to calculate a derivative
115. te\_\_\_n collagen *n.* a strong, fibrous cord of tissue that connects muscle to bone
116. di\_\_\_\_\_se the problem *v.* to determine or distinguish the nature of a problem or an illness through a careful analysis
117. pro\_\_\_\_\_on of disease *n.* the act or process of changing to the next stage or phase or moving forward
118. complete re\_\_\_\_\_on *n.* a period of time when a disease or condition is no longer present or active; a lessening or reduction of symptoms or intensity; forgiveness or pardon for sins or debts
119. open to int\_\_\_\_\_ion *n.* an explanation or opinion of something, especially that is not immediately obvious
120. emotional p\_\_p *n.* a piece of wood, metal, etc., placed beneath or against something to support it or keep it in position; a system, institution, or person that gives help or support to someone or something
121. legal co\_\_\_\_\_t *n.* the circumstances, facts, or conditions that surround a particular event, situation, or statement and that give it meaning

ANSWERS: 113. bullet, 114. differentiate, 115. tendon, 116. diagnose, 117. progression, 118. remission, 119. interpretation, 120. prop, 121. context

122. an\_\_\_\_\_e a chemical compound      *v.* to think about in-depth and evaluate to discover essential features or meaning
123. co\_\_\_\_\_al swimming pool      *adj.* belonging to or used by a group rather than individuals; for common use
124. sp\_\_\_\_\_ic instructions      *adj.* clearly defined or particular to a certain thing or situation; distinct, explicit, and precise
125. the te\_\_\_\_\_ue applied to construction      *n.* a particular way or art of doing something that needs skill
126. 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
127. br\_\_e decision      *adj.* showing courage or fearlessness in the face of danger, difficulty, or adversity
128. di\_\_\_\_\_se with CT scans      *v.* to determine or distinguish the nature of a problem or an illness through a careful analysis
129. as\_\_\_n projects      *v.* to give a specific job or piece of work to a someone
130. ent\_\_\_\_\_hip culture      *n.* the process or skill of starting and running a business, particularly a new and innovative one
131. further mod\_\_\_\_\_ion      *n.* the act of changing something, usually to improve it, or something changed
132. re\_\_\_\_\_ve factors      *adj.* considered and evaluated through comparison with something else
133. re\_\_\_\_\_le access      *adj.* worthy of being relied on; trustworthy

ANSWERS: 122. analyze, 123. communal, 124. specific, 125. technique, 126. chart, 127. brave, 128. diagnose, 129. assign, 130. entrepreneurship, 131. modification, 132. relative, 133. reliable

134. the mountain's br\_\_\_t      *n.* either of the two round soft parts of a woman's chest which secrete milk after childbirth
135. se\_\_r a positive relationship      *v.* to break or separate something by cutting, especially suddenly and forcibly
136. aff\_\_\_\_\_le housing      *adj.* not expensive and able to pay
137. a two-dimensional ar\_\_y      *n.* a large group or collection of things or people, especially one that is impressive or attractive
138. follow his ins\_\_\_\_\_ons      *n.* detailed direction, order, etc., on how to do or use something
139. computer-con\_\_\_\_\_ble      *adj.* able to be controlled or directed
140. he confessed dra\_\_\_\_\_lly      *adv.* in a very impressive manner
141. clinical re\_\_\_\_\_on      *n.* a period of time when a disease or condition is no longer present or active; a lessening or reduction of symptoms or intensity; forgiveness or pardon for sins or debts
142. tec\_\_\_\_\_cal policy      *adj.* based on scientific and industrial progress
143. is\_\_\_\_\_e a patient      *v.* to physically or socially separate someone or something from other people or things
144. co\_\_\_\_\_al combination of funds      *adj.* belonging to or used by a group rather than individuals; for common use
145. th\_\_\_\_\_y for a patient      *n.* the act of caring for someone through medication, remedial training, etc.

ANSWERS: 134. breast, 135. sever, 136. affordable, 137. array, 138. instruction, 139. controllable, 140. dramatically, 141. remission, 142. technological, 143. isolate, 144. communal, 145. therapy

146. industry-sp\_\_\_\_\_ic regulations *adj.* clearly defined or particular to a certain thing or situation; distinct, explicit, and precise
147. historical co\_\_\_\_\_t *n.* the circumstances, facts, or conditions that surround a particular event, situation, or statement and that give it meaning
148. cell and molecular bi\_\_\_\_\_y *n.* the scientific study of life and the natural processes of living things
149. a scientific di\_\_\_\_\_ry *n.* the act or process of finding information, a place, or an object, or learning about something that was previously not known
150. in\_\_\_\_\_ve species *adj.* spreading very quickly, and often aggressively, and difficult to stop
151. 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
152. 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
153. ci\_\_\_\_\_te a rumor *v.* to move continuously or freely around a place or closed system
154. nontechnical as\_\_\_\_ts of the job *n.* one part or feature of a situation, problem, subject, etc.

ANSWERS: 146. specific, 147. context, 148. biology, 149. discovery, 150. invasive, 151. disease, 152. process, 153. circulate, 154. aspect



155. mo\_\_\_\_r the data carefully *v.* to observe, check, and track the progress or quality of something over a period of time
156. exp\_\_\_\_\_al function *adj.* becoming more and more rapid; of or involving mathematical exponents
157. a secret me\_\_\_\_\_er *n.* someone or something that carries a message, especially one sent to convey information, news, or an official document
158. complex bio\_\_\_\_\_al *adj.* relating to the chemical processes and substances that occur within living organisms
159. mul\_\_\_\_\_ary project *adj.* integrating or involving various academic fields or different skills in a topic or problem-solving approach
160. di\_\_\_\_\_t sleep *v.* to prevent or stop something, especially an event, activity, or process, from continuing in the usual way by causing a problem or disturbance
161. de\_\_\_e a question *v.* to make up someone's mind about something; to come to a conclusion or judgment after considering options
162. a st\_\_\_n of bacillus *n.* a force or pressure that stretches or pulls something, sometimes causing damage; (biology) a group of organisms within a species that differ in trivial ways from similar groups
163. a response to a st\_\_\_\_\_us *n.* something that causes growth or arouses action

ANSWERS: 155. monitor, 156. exponential, 157. messenger, 158. biochemical, 159. multidisciplinary, 160. disrupt, 161. decide, 162. strain, 163. stimulus

164. sma\_\_\_\_\_ne addict *n.* a mobile phone that functions as a computer and connects to the Internet
165. sta\_\_\_\_\_art technology *adj.* characterized by the use of the latest and most advanced technology or methods; cutting-edge
166. complete a pr\_\_\_\_\_pe product *n.* a first or preliminary example of something such as a device or vehicle from which other forms are developed
167. ability to de\_\_\_e the differences *v.* to convert something, such as a message or piece of information, from a specific form into one that you can understand
168. hemoglobin met\_\_\_\_\_sm *n.* the set of chemical reactions in cells or organisms that are necessary for life-sustaining
169. as\_\_\_n top priority *v.* to give a specific job or piece of work to a someone
170. fr\_\_\_\_\_te other team members *v.* to hinder or prevent efforts, plans, or desires from doing, succeeding, or being fulfilled; to make someone feel upset or annoyed because they are unable to change or achieve something
171. stop drinking al\_\_\_\_\_l *n.* a clear liquid that can make people drunk and is used in medicines, cleaning products, etc.
172. su\_\_\_r bad grades *v.* to experience pain, distress, or hardship; to undergo or endure something painful or unpleasant
173. ab\_\_\_\_\_al heart rhythms *adj.* not typical, usual, or regular, especially in a way that is bad

ANSWERS: 164. smartphone, 165. state-of-the-art, 166. prototype, 167. decode, 168. metabolism, 169. assign, 170. frustrate, 171. alcohol, 172. suffer, 173. abnormal

174. guarantee re\_\_\_\_\_le delivery *adj.* worthy of being relied on; trustworthy
175. dem\_\_\_\_\_ion project *n.* a display or show, often of a particular skill or product, intended to convince or persuade others
176. at\_\_\_\_\_de control *n.* the way you think and feel about someone or something
177. importance of early de\_\_\_\_\_on *n.* the act of discovering or identifying the presence of something
178. botanical ex\_\_\_\_\_t *n.* a short passage taken from a book, piece of music, etc.; a substance obtained from something through a specific process; (verb) to obtain from something or to remove something by effort or force
179. nuc\_\_\_\_\_de sequence *n.* a basic structural unit or building block of nucleic acids (DNA and RNA) consisting of a sugar molecule, a phosphate group, and a nitrogenous base (adenine, cytosine, guanine, thymine, or uracil), which combine to form the genetic code and carry information within cells
180. re\_\_t at a high temperature *v.* to take action in response to something
181. 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
182. a g\_\_m-free environment *n.* a very tiny living that causes the disease; a piece of something such as an organism, concept, etc., capable of growing into a new one or part of one

ANSWERS: 174. reliable, 175. demonstration, 176. attitude, 177. detection, 178. extract, 179. nucleotide, 180. react, 181. symptom, 182. germ

183. the int\_\_\_\_\_ion of history      *n.* an explanation or opinion of something, especially that is not immediately obvious
184. n\_\_m of action      *n.* something that is regarded as usual, typical, or standard
185. mi\_\_\_\_\_NA expression      *n.* a type of small non-coding RNA (= a type of nucleic acid that is essential for the transfer of genetic information from DNA to proteins) molecule that plays a crucial role in regulating gene expression and protein synthesis
186. ad\_\_\_\_\_e a cooperative relationship      *v.* to go or move forward; to develop in a positive way
187. even more unf\_\_\_\_\_ely      *adv.* by bad luck; unluckily
188. individual ins\_\_\_\_\_on      *n.* detailed direction, order, etc., on how to do or use something
189. a campus dem\_\_\_\_\_ion      *n.* a display or show, often of a particular skill or product, intended to convince or persuade others
190. standard pr\_\_\_\_\_re      *n.* a way of doing something, especially the official or well-known way
191. 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
192. X-\_\_y scan      *n.* a type of electromagnetic radiation that has a wavelength shorter than visible light allowing hidden objects such as bones and organs inside the body to be photographed

ANSWERS: 183. interpretation, 184. norm, 185. microRNA, 186. advance, 187. unfortunately, 188. instruction, 189. demonstration, 190. procedure, 191. reaction, 192. X-ray

193. without in\_\_\_y *n.* harm done to a person's or an animal's body caused by an accident or an attack
194. li\_\_\_\_\_me benefits *n.* the duration of someone's life or something's existence;
195. in\_\_\_\_\_al organs *adj.* of or relating to the inside of something
196. bu\_\_\_t train *n.* a metal projectile that is shot from a gun
197. in\_\_\_\_\_te a preference *v.* to show, point out, or make known something, often through a sign or a symbol; to suggest or imply something without stating it directly
198. da\_\_\_\_\_se administrator *n.* a large amount of data stored in a computer system in such a way that it can be searched and updated easily
199. an app\_\_\_\_\_te time *adj.* suitable or proper in the circumstances; fitting
200. his majestic pr\_\_\_\_\_ce *n.* the fact or state that someone or something exists, occurs, or is present
201. co\_\_\_\_\_te closely with the quality *v.* to have a connection or relationship in which one thing affects or depends on another
202. a me\_\_\_\_\_l opinion *adj.* relating to the treatment of illness or injuries; relating to the practice of medicine
203. a mild ci\_\_\_\_\_te *n.* a small cylindrical roll of finely cut tobacco leaves wrapped in paper for smoking
204. br\_\_\_t cancer *n.* either of the two round soft parts of a woman's chest which secrete milk after childbirth

ANSWERS: 193. injury, 194. lifetime, 195. internal, 196. bullet, 197. indicate, 198. database, 199. appropriate, 200. presence, 201. correlate, 202. medical, 203. cigarette, 204. breast

205. 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
206. ob\_\_\_\_\_e wildlife *v.* to watch or notice something carefully, often to gather information or insights; to take note of something or someone; to celebrate or commemorate a special event or occasion
207. col\_\_\_\_\_ion between companies *n.* the act or situation of working together to create or produce something
208. ac\_\_e triangle *adj.* extremely sharp or severe
209. have no re\_\_\_\_\_ce *n.* the state or degree of being closely connected or appropriate to the matter at hand
210. ro\_\_\_\_\_ly scheduled maintenance *adv.* on a regular or habitual basis; in a manner that is customary or expected
211. di\_\_\_\_\_d the downloaded data *v.* to throw something away or get rid of something that you no longer wanted or need
212. beyond the re\_\_m of possibility *n.* a domain of activity, interest, or knowledge
213. l\_b instrument *n.* a workplace for the conduct of scientific research; a laboratory
214. de\_\_\_e a message *v.* to convert something, such as a message or piece of information, from a specific form into one that you can understand
215. a ge\_\_\_\_\_c disorder *adj.* of or relating to genes (= parts of the DNA in cells) or the science of genes

ANSWERS: 205. reaction, 206. observe, 207. collaboration, 208. acute, 209. relevance, 210. routinely, 211. discard, 212. realm, 213. lab, 214. decode, 215. genetic

216. a te\_\_\_\_\_ue in martial arts *n.* a particular way or art of doing something that needs skill
217. de\_\_\_t a bad event *v.* to find or recognize something, especially something difficult to see, hear, etc.
218. ca\_\_\_r diagnosis *n.* abnormal growth of cells that can invade and destroy surrounding tissues and organs; a disease characterized by the uncontrolled growth and spread of abnormal cells
219. met\_\_\_\_\_sm enzyme *n.* the set of chemical reactions in cells or organisms that are necessary for life-sustaining
220. is\_\_\_\_\_e a compound *v.* to physically or socially separate someone or something from other people or things
221. an ar\_\_y of troops *n.* a large group or collection of things or people, especially one that is impressive or attractive
222. chaotic env\_\_\_\_\_nt *n.* the natural world such as air, water, and land in which humans, animals, and plants live
223. ca\_\_\_r research *n.* abnormal growth of cells that can invade and destroy surrounding tissues and organs; a disease characterized by the uncontrolled growth and spread of abnormal cells
224. an X-\_\_y of arteries *n.* a type of electromagnetic radiation that has a wavelength shorter than visible light allowing hidden objects such as bones and organs inside the body to be photographed

ANSWERS: 216. technique, 217. detect, 218. cancer, 219. metabolism, 220. isolate, 221. array, 222. environment, 223. cancer, 224. X-ray

225. app\_\_\_\_\_te behavior *adj.* suitable or proper in the circumstances; fitting
226. v\_\_y according to the age *v.* to become different in terms of size, shape, etc.
227. re\_\_\_\_\_ce category *n.* the state or degree of being closely connected or appropriate to the matter at hand
228. 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)
229. br\_\_e soldier *adj.* showing courage or fearlessness in the face of danger, difficulty, or adversity
230. te\_\_\_n grafting *n.* a strong, fibrous cord of tissue that connects muscle to bone
231. principles of de\_\_\_\_\_cy *n.* a form of government in which the people have the authority to deliberate and decide legislation, or to choose governing officials to do so
232. he\_\_\_\_\_c enzymes *adj.* relating to or affecting the liver; characteristic or pertaining to the liver
233. an arrival pl\_\_\_\_\_rm *n.* the raised flat space close to the track at a train station where passengers get on or off the train; (technology) a computational or digital environment in which a piece of software is executed
234. ob\_\_\_\_\_e a tradition *v.* to watch or notice something carefully, often to gather information or insights; to take note of something or someone; to celebrate or commemorate a special event or occasion

ANSWERS: 225. appropriate, 226. vary, 227. relevance, 228. molecular, 229. brave, 230. tendon, 231. democracy, 232. hepatic, 233. platform, 234. observe



235. bre\_\_\_\_\_ugh discovery *n.* a sudden, dramatic, and important discovery or development that helps to improve a situation or provide an answer to a problem
236. a brief ex\_\_\_\_\_t from the book *n.* a short passage taken from a book, piece of music, etc.; a substance obtained from something through a specific process; (verb) to obtain from something or to remove something by effort or force
237. diabetes bi\_\_\_\_\_er *n.* a characteristic that is objectively measured and evaluated as an indicator of normal biological processes, pathogenic processes, or pharmacologic responses to a therapeutic intervention
238. mul\_\_\_\_\_ary analysis *adj.* integrating or involving various academic fields or different skills in a topic or problem-solving approach
239. pro\_\_\_\_\_on of civilization *n.* the act or process of changing to the next stage or phase or moving forward
240. 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
241. 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

ANSWERS: 235. breakthrough, 236. extract, 237. biomarker, 238. multidisciplinary, 239. progression, 240. symptom, 241. catalyst

242. fr\_\_\_\_\_te the advancement

v. to hinder or prevent efforts, plans, or desires from doing, succeeding, or being fulfilled; to make someone feel upset or annoyed because they are unable to change or achieve something

ANSWERS: 242. frustrate

## Session 3: Fill in the Blanks

1. This smartphone has a collision \_\_\_\_\_ function.  
*n.* the act of discovering or identifying the presence of something
2. \_\_\_\_\_ 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)
3. The accident caused a cracked \_\_\_\_\_.  
*n.* each of a series of curved bones that are connected to the spine and surround the chest; (adjective) subject to laughter or ridicule
4. 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
5. They \_\_\_\_\_ conduct fire drills to ensure everyone in the building knows what to do in an emergency.  
*adv.* on a regular or habitual basis; in a manner that is customary or expected
6. The scientist conducted a study that provided \_\_\_\_\_ details about the species' behavior.  
*adj.* clearly defined or particular to a certain thing or situation; distinct, explicit, and precise
7. The teacher attempted to \_\_\_\_\_ the root cause of our mistake.  
*v.* to think about in-depth and evaluate to discover essential features or meaning

ANSWERS: 1. detection, 2. Molecular, 3. rib, 4. process, 5. routinely, 6. specific, 7. analyze

8. Scientific knowledge will \_\_\_\_\_ significantly with the power of AI.  
*v.* to go or move forward; to develop in a positive way
9. The doctor performed an excisional breast \_\_\_\_\_.  
*n.* the process of removing and examining tissue from the body of the sick person to determine the existence or cause of a disease
10. I'm so sorry to \_\_\_\_\_ you when you're pretty busy.  
*v.* to prevent or stop something, especially an event, activity, or process, from continuing in the usual way by causing a problem or disturbance
11. The \_\_\_\_\_ disease can spread quickly and potentially cause a global pandemic.  
*adj.* spreading very quickly, and often aggressively, and difficult to stop
12. We \_\_\_\_\_ taking media training every six months.  
*v.* to suggest that someone or something would be a suitable fit for a particular purpose or role
13. The fan \_\_\_\_\_ the air in the room quickly.  
*v.* to move continuously or freely around a place or closed system
14. \_\_\_\_\_ 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
15. I always carry a backup \_\_\_\_\_ in case my phone runs out of battery.  
*n.* a piece of equipment, tool, or technology that serves a particular purpose or function, often mechanical or electronic

ANSWERS: 8. advance, 9. biopsy, 10. disrupt, 11. invasive, 12. recommend, 13. circulates, 14. Biochemical, 15. device

16. The older man \_\_\_\_\_ from arthritis and finds it difficult to move around.  
*v.* to experience pain, distress, or hardship; to undergo or endure something painful or unpleasant
17. The prime minister canceled visits to other countries to resolve \_\_\_\_\_ disputes.  
*adj.* of or relating to the inside of something
18. She is searching for a \_\_\_\_\_ residence.  
*adj.* lasting for a long time without essential change
19. Thousands of people attended the protest \_\_\_\_\_ against the proposed policy.  
*n.* a display or show, often of a particular skill or product, intended to convince or persuade others
20. The data \_\_\_\_\_ that the company's profits have steadily increased over the past quarter.  
*v.* to show, point out, or make known something, often through a sign or a symbol; to suggest or imply something without stating it directly
21. The government is investing in programs to support \_\_\_\_\_ and small business development.  
*n.* the process or skill of starting and running a business, particularly a new and innovative one
22. 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

ANSWERS: 16. suffers, 17. internal, 18. permanent, 19. demonstration, 20. indicates, 21. entrepreneurship, 22. molecule

23. She had the \_\_\_\_\_ that work was fun.  
*n.* the way you think and feel about someone or something
24. 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
25. \_\_\_\_\_ advances have disrupted many industries.  
*adj.* based on scientific and industrial progress
26. The endocrine function of the \_\_\_\_\_ involves the secretion of hormones such as insulin.  
*n.* a glandular organ in the digestive system that produces several important hormones, including insulin and glucagon, as well as digestive enzymes that help break down food in the small intestine
27. They used a special receiver to \_\_\_\_\_ police radio channels.  
*v.* to observe, check, and track the progress or quality of something over a period of time
28. In junior high school, we had to dissect a frog in \_\_\_\_\_ class.  
*n.* the scientific study of life and the natural processes of living things
29. I underwent aversion \_\_\_\_\_ for my addiction to alcohol.  
*n.* the act of caring for someone through medication, remedial training, etc.
30. I will introduce you to how to \_\_\_\_\_ the leading causes of the malfunction.  
*v.* to recognize someone or something and say or prove who or what they are

ANSWERS: 23. attitude, 24. messenger, 25. Technological, 26. pancreas, 27. monitor, 28. biology, 29. therapy, 30. identify

31. 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
32. The government is determined to \_\_\_\_\_ sharp inflation.  
*v.* to try to deal with a complex problem or situation
33. The \_\_\_\_\_ of his idea came from watching birds flying in flocks.  
*n.* a very tiny living that causes the disease; a piece of something such as an organism, concept, etc., capable of growing into a new one or part of one
34. Jockey's superior \_\_\_\_\_ brought him victory.  
*n.* a particular way or art of doing something that needs skill
35. You should not \_\_\_\_\_ them from the community.  
*v.* to physically or socially separate someone or something from other people or things
36. This evidence will form the \_\_\_\_\_ for our discussion.  
*n.* the most important facts, ideas, or events from which something is developed; the way how things are organized or arranged
37. 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
38. Life expectancy has grown \_\_\_\_\_ this century.  
*adv.* in a very impressive manner

ANSWERS: 31. reaction, 32. tackle, 33. germ, 34. technique, 35. isolate, 36. basis, 37. protein, 38. dramatically

39. The \_\_\_\_\_ firefighter rescued the family from the burning building.

*adj.* showing courage or fearlessness in the face of danger, difficulty, or adversity

40. The new software is much more \_\_\_\_\_ and user-friendly.

*adj.* able to be controlled or directed

41. His \_\_\_\_\_ of literary works are often unique.

*n.* an explanation or opinion of something, especially that is not immediately obvious

42. The patient died from \_\_\_\_\_ alcohol intoxication.

*adj.* extremely sharp or severe

43. Her research team made an important \_\_\_\_\_.

*n.* the act or process of finding information, a place, or an object, or learning about something that was previously not known

44. 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

45. He adopted a \_\_\_\_\_ research approach to unravel complex phenomena.

*adj.* integrating or involving various academic fields or different skills in a topic or problem-solving approach

46. Trains are \_\_\_\_\_ inexpensive, and ideal for long-distance travel.

*adj.* worthy of being relied on; trustworthy

ANSWERS: 39. brave, 40. controllable, 41. interpretations, 42. acute, 43. discovery, 44. chart, 45. multidisciplinary, 46. reliable,



47. She received special \_\_\_\_\_ training at the hospital.

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

48. The teacher is very \_\_\_\_\_ to children's feelings.

*adj.* able to notice slight changes, signals, or influences; able to feel or perceive other's feelings; susceptible to the things people say or do

49. He lit a \_\_\_\_\_ and leaned against the wall.

*n.* a small cylindrical roll of finely cut tobacco leaves wrapped in paper for smoking

50. 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

51. The treatments were done but, \_\_\_\_\_ were unsuccessful.

*adv.* by bad luck; unluckily

52. 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

53. I want to put that \_\_\_\_\_ of my life behind me.

*n.* a happening or story that is distinctive in a series of related events; an abrupt short period during which someone suffers from the effects of a physical or mental illness

54. The \_\_\_\_\_ team worked quickly to save the patient's life.

*adj.* relating to the treatment of illness or injuries; relating to the practice of medicine

ANSWERS: 47. clinical, 48. sensitive, 49. cigarette, 50. symptom, 51. unfortunately, 52. catalyst, 53. episode, 54. medical

55. It would be \_\_\_\_\_ to dress nicely for the wedding.

*adj.* suitable or proper in the circumstances; fitting

56. It is important to \_\_\_\_\_ safety procedures in the workplace to prevent accidents.

*v.* to watch or notice something carefully, often to gather information or insights; to take note of something or someone; to celebrate or commemorate a special event or occasion

57. Better sleep leads to increased \_\_\_\_\_.

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

58. The Prime Minister will pay a courtesy visit to the Nobel laureate's \_\_\_\_\_.

*n.* a workplace for the conduct of scientific research; a laboratory

59. Anesthetize the gum before \_\_\_\_\_ the teeth.

*n.* a short passage taken from a book, piece of music, etc.; a substance obtained from something through a specific process; (verb) to obtain from something or to remove something by effort or force

60. The \_\_\_\_\_ of this information to the current situation needs to be investigated.

*n.* the state or degree of being closely connected or appropriate to the matter at hand

61. Researchers are studying the role of \_\_\_\_\_ in regulating gene expression and potential medical applications.

*n.* a type of small non-coding RNA (= a type of nucleic acid that is essential for the transfer of genetic information from DNA to proteins) molecule that plays a crucial role in regulating gene expression and protein synthesis

ANSWERS: 55. appropriate, 56. observe, 57. metabolism, 58. lab, 59. extracting, 60. relevance, 61. microRNAs

62. We do move forward with those tasks in \_\_\_\_\_ next week.  
*n.* a series of related events, actions, numbers, etc., which have a particular order
63. His professional experience includes all \_\_\_\_\_ of media production.  
*n.* one part or feature of a situation, problem, subject, etc.
64. The cancer patient was delighted to hear that their disease was in \_\_\_\_\_.  
*n.* a period of time when a disease or condition is no longer present or active; a lessening or reduction of symptoms or intensity; forgiveness or pardon for sins or debts
65. The brain is an incredibly complex organ that controls the body's \_\_\_\_\_.  
*n.* the purpose or use of an object, system, or process; a particular activity or operation that is designed to serve a specific purpose; a mathematical concept that describes a relationship between two sets of values, called the input and output sets; (verb) to operate or work in a specific way, or to perform a particular task or purpose
66. My accidental \_\_\_\_\_ got better right away.  
*n.* harm done to a person's or an animal's body caused by an accident or an attack
67. He \_\_\_\_\_ the old torn shirt and bought a new one.  
*v.* to throw something away or get rid of something that you no longer wanted or need
68. \_\_\_\_\_ elections were held in several European countries.  
*adj.* belonging to or used by a group rather than individuals; for common use
69. The company has made great strides in its \_\_\_\_\_ toward sustainability.  
*n.* the act or process of changing to the next stage or phase or moving forward

ANSWERS: 62. sequence, 63. aspects, 64. remission, 65. function, 66. injury, 67. discarded, 68. Communal, 69. progression

70. The stray \_\_\_\_\_ went through the window and hit the wall.  
*n.* a metal projectile that is shot from a gun
71. We have finally lost our last \_\_\_\_\_.  
*n.* a piece of wood, metal, etc., placed beneath or against something to support it or keep it in position; a system, institution, or person that gives help or support to someone or something
72. The partnership program requires a mutual \_\_\_\_\_ between both agencies.  
*n.* the act or situation of working together to create or produce something
73. The pilot and flight attendant ran through the check-out \_\_\_\_\_.  
*n.* a way of doing something, especially the official or well-known way
74. The software could \_\_\_\_\_ the encrypted data and reveal the hidden information.  
*v.* to convert something, such as a message or piece of information, from a specific form into one that you can understand
75. An \_\_\_\_\_ climate in the region caused a sharp decline in grain harvest.  
*adj.* not typical, usual, or regular, especially in a way that is bad
76. Every human is responsible for taking care of the Earth's \_\_\_\_\_.  
*n.* the natural world such as air, water, and land in which humans, animals, and plants live
77. The customer on the Internet has to choose one from a formidable \_\_\_\_\_ of products.  
*n.* a large group or collection of things or people, especially one that is impressive or attractive

ANSWERS: 70. bullet, 71. prop, 72. collaboration, 73. procedure, 74. decode, 75. abnormal, 76. environment, 77. array

78. Internet traffic volumes have increased significantly with the advent of \_\_\_\_\_.

*n.* a mobile phone that functions as a computer and connects to the Internet

79. He grilled the \_\_\_\_\_ meat of a chicken.

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

80. Each country's officials can access the central \_\_\_\_\_.

*n.* a large amount of data stored in a computer system in such a way that it can be searched and updated easily

81. The patient underwent a \_\_\_\_\_ transplant to improve liver function.

*adj.* relating to or affecting the liver; characteristic or pertaining to the liver

82. Adenine and thymine are complementary \_\_\_\_\_ in DNA.

*n.* a basic structural unit or building block of nucleic acids (DNA and RNA) consisting of a sugar molecule, a phosphate group, and a nitrogenous base (adenine, cytosine, guanine, thymine, or uracil), which combine to form the genetic code and carry information within cells

83. The automaker has been providing \_\_\_\_\_ car financing options since last year.

*adj.* not expensive and able to pay

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

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

85. Most countries prohibit sexual activity between certain close \_\_\_\_\_.

*adj.* considered and evaluated through comparison with something else

ANSWERS: 78. smartphones, 79. breast, 80. database, 81. hepatic, 82. nucleotides, 83. affordable, 84. detected, 85. relatives

86. Her passions are in the \_\_\_\_\_ of real-world political affairs.  
*n.* a domain of activity, interest, or knowledge
87. The pharmacist not only prescribes the \_\_\_\_\_ but also guides its proper use.  
*n.* a drug or other form of medicine that treats, prevents, or alleviates the symptoms of the disease
88. The government tried to \_\_\_\_\_ the commercialization of this development.  
*v.* to make something faster or earlier; to cause to develop or progress more quickly
89. Since the 1990s, the Internet has continued to experience \_\_\_\_\_ growth.  
*adj.* becoming more and more rapid; of or involving mathematical exponents
90. She had lived through two world wars in her \_\_\_\_\_.  
*n.* the duration of someone's life or something's existence;
91. As a result of this \_\_\_\_\_ we have revised our safety measures.  
*n.* the act of changing something, usually to improve it, or something changed
92. The doctor ordered an \_\_\_\_\_ to see if there was any damage to the bones.  
*n.* a type of electromagnetic radiation that has a wavelength shorter than visible light allowing hidden objects such as bones and organs inside the body to be photographed
93. How did he \_\_\_\_\_ to your idea?  
*v.* to take action in response to something

ANSWERS: 86. realm, 87. medication, 88. accelerate, 89. exponential, 90. lifetime, 91. modification, 92. X-ray, 93. react

94. The enemy fell right into the \_\_\_\_\_.
- n.* a piece of equipment or hole for catching animals or people; (verb) to catch animals or people and prevent them from escaping
95. Dictators of the past often had the erroneous idea of a pure racial \_\_\_\_\_.
- n.* a force or pressure that stretches or pulls something, sometimes causing damage; (biology) a group of organisms within a species that differ in trivial ways from similar groups
96. It's important to understand the \_\_\_\_\_ of a situation before making a decision.
- n.* the circumstances, facts, or conditions that surround a particular event, situation, or statement and that give it meaning
97. The \_\_\_\_\_ test showed that the patient was responding well to the treatment.
- n.* a characteristic that is objectively measured and evaluated as an indicator of normal biological processes, pathogenic processes, or pharmacologic responses to a therapeutic intervention
98. The flying car is presently in the \_\_\_\_\_ stage.
- n.* a first or preliminary example of something such as a device or vehicle from which other forms are developed
99. \_\_\_\_\_ often entails inclusive capitalism as well.
- n.* a form of government in which the people have the authority to deliberate and decide legislation, or to choose governing officials to do so
100. There is a clear association between \_\_\_\_\_ consumption and cognitive decline.
- n.* a clear liquid that can make people drunk and is used in medicines, cleaning products, etc.

ANSWERS: 94. trap, 95. strain, 96. context, 97. biomarker, 98. prototype, 99. Democracy, 100. alcohol

101. The speaker mounted the \_\_\_\_\_ and started to speak.
- n.* the raised flat space close to the track at a train station where passengers get on or off the train; (technology) a computational or digital environment in which a piece of software is executed
102. Please \_\_\_\_\_ a different color to each other kind of item.
- v.* to give a specific job or piece of work to a someone
103. The coach explained a strategy to \_\_\_\_\_ the opponent's schemes to the players.
- v.* to hinder or prevent efforts, plans, or desires from doing, succeeding, or being fulfilled; to make someone feel upset or annoyed because they are unable to change or achieve something
104. \_\_\_\_\_ injuries are common among athletes.
- n.* a strong, fibrous cord of tissue that connects muscle to bone
105. The systems we have developed has accepted as industry \_\_\_\_\_.
- n.* something that is regarded as usual, typical, or standard
106. This book provides children with ideas and a \_\_\_\_\_ for outside recreation.
- n.* something that causes growth or arouses action
107. A technique called deep learning has led to \_\_\_\_\_ in AI.
- n.* a sudden, dramatic, and important discovery or development that helps to improve a situation or provide an answer to a problem
108. 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

ANSWERS: 101. platform, 102. assign, 103. frustrate, 104. Tendon, 105. norms, 106. stimulus, 107. breakthroughs, 108. disease



109. We may frequently \_\_\_\_\_ age with the frequency of disease.  
*v.* to have a connection or relationship in which one thing affects or depends on another
110. The official transcript contains \_\_\_\_\_ academic records.  
*adj.* correct and exact in all details
111. They needed further \_\_\_\_\_ to perform their duties efficiently.  
*n.* detailed direction, order, etc., on how to do or use something
112. She couldn't \_\_\_\_\_ whether to order the pizza or the pasta for dinner.  
*v.* to make up someone's mind about something; to come to a conclusion or judgment after considering options
113. This device is used to \_\_\_\_\_ brain cancer and other tumors.  
*v.* to determine or distinguish the nature of a problem or an illness through a careful analysis
114. He has terminal \_\_\_\_\_ cancer.  
*n.* either of the two organs in the chest that people and some animals use for breathing
115. The hospital has \_\_\_\_\_ equipment and facilities to ensure the best healthcare for its patients.  
*adj.* characterized by the use of the latest and most advanced technology or methods; cutting-edge
116. 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

ANSWERS: 109. correlate, 110. accurate, 111. instruction, 112. decide, 113. diagnose, 114. lung, 115. state-of-the-art, 116. genetic

117. The teacher asked the students to \_\_\_\_\_ between the two similar species of birds.

- v.* to recognize or establish as being distinct; to distinguish between things that are compared; to calculate a derivative

118. Breast \_\_\_\_\_ is the most common type of cancer in women.

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

119. Maximum heart rates \_\_\_\_\_ a lot for each individual.

- v.* to become different in terms of size, shape, etc.

120. The path to a solid online \_\_\_\_\_ necessitates a high technical ability.

- n.* the fact or state that someone or something exists, occurs, or is present

121. He \_\_\_\_\_ a branch from a tree quickly.

- v.* to break or separate something by cutting, especially suddenly and forcibly

ANSWERS: 117. differentiate, 118. cancer, 119. vary, 120. presence, 121. severed