

Englist.me



Vocabulary Builder Reference from...

Luhan Yang: How to create a world where no one dies waiting for a transplant | TED Talk

https://www.ted.com/talks/luhan_yang_how_to_create_a_world_where_no_one_dies_waiting_for_a_transplant

All Words

IMPORTANT

This material is a commentary and does not contain any copyrighted material of the reference source. We strongly recommend accessing/buying the reference source at the same time.

Session 1: Word List

introductory

adj. intended as an introduction or preliminary; serving as a base or starting point

synonym: beginning, preliminary, initial

(1) **introductory** biology text, (2) product **introductory** sale

The **introductory** class was designed to give students a basic understanding of the subject.

patient

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

synonym: client, recipient, subject

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

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

lifesaving

n. the act or process of rescuing someone else's life, especially from drowning

(1) **lifesaving** efforts, (2) **lifesaving** device

The patient needs a **lifesaving** transplant operation.

symbol

n. something visible that is used to represent something else

synonym : mark, character, insignia

(1) **symbol** color, (2) **symbol** for happiness

The dragon is considered a **symbol** of bravery.

transplant

v. to move or transfer something from one place or person to another; to take living tissue or an organ from one person, animal, part of the body, etc. and put it into or onto another

synonym : relocate, emigrate, graft

(1) **transplant** a heart, (2) **transplant** my family to America

He tried to **transplant** the seedling into a larger pot.

kidney

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

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

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

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.

worsen

v. to become or make something worse

synonym : languish, degenerate, degrade

(1) **worsen** a relation, (2) **worsen** the food problem

Unilateral import bans have **worsened** that country's terms of trade.

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.

anew

adv. in a new or different way

synonym : again, once more, fresh

(1) arm **anew**, (2) review **anew**

He decided to start **anew** and leave his old life behind.

heartbreak

n. a feeling of great sadness or disappointment

synonym : grief, sorrow, bitterness

(1) ease her **heartbreak**, (2) go through **heartbreak**

They had experienced the **heartbreak** of losing two children due to premature births.

disturb

v. to interrupt someone who is trying to work, sleep, etc.

synonym : agitate, bother, intrude

(1) **disturb** the peace, (2) **disturb** his sleep

Tourists frequently **disturb** the island's delicate natural balance.

outlet

n. a means of release or expression, often for emotions or energy; a place of business that sells goods directly to customers; a device or opening through which something can flow out

synonym : opening, vent, aperture

(1) an **outlet** for water, (2) media **outlet**

The **outlet** in the bathroom was faulty, so I had to use a different one for my hair dryer.

desperate

adj. feeling or showing a lack of hope and a willingness to do anything because of the problematic situation

synonym : anguish, frantic, hopeless

(1) her **desperate** screams, (2) **desperate** attempt

He was **desperate** when he lost all his money by gambling.

obtain

v. to get something, especially by making a great effort

synonym : accept, acquire, receive

(1) **obtain** a license, (2) **obtain** a bid

Where can I **obtain** the application form?

cruel

adj. feeling or showing pleasure in causing pain or suffering to others

synonym : heartless, sadistic, vicious

(1) a **cruel** and unusual punishment, (2) **cruel** joke

The dictator was known for his **cruel** and oppressive regime.

crisis

n. a time of great disagreement, confusion, or danger when problems must be resolved or critical decisions must be taken

synonym : concern, problem, emergency

(1) financial **crisis**, (2) **crisis** management

The Chinese word for **crisis** comprises two characters, one for danger and the other for opportunity.

stake

n. a share or financial investment in something such as a business; a wooden or metal post set up to mark something

synonym : share, interest, post

(1) execution by burning at a **stake**, (2) buy the company's **stake**

The **stake** of the company is too high nowadays.

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.

genetics

n. the branch of biology that studies genes, genetic variation, and heredity in organisms

(1) the science of **genetics**, (2) **genetics** discrimination

He is a specialist in the **genetics** of aging.

optimistic

adj. hoping or expecting that good thing will happen or something will be successful

synonym : hopeful, auspicious, cheery

(1) he is **optimistic**, (2) **optimistic** outlook

Most executives were **optimistic** about future business conditions.

edit

v. to prepare written material for publication by correcting, condensing, or otherwise modifying it
synonym: revise, modify, adjust

(1) **edit** a history book, (2) **edit** a video
I need to **edit** this document before submitting it to my boss.

exquisite

adj. extremely beautiful and delicate
synonym: magnificent, glorious, gorgeous

(1) **exquisite** crafts, (2) a man of **exquisite** sensitivity
We can hear an **exquisite** piano melody from his room.

incredible

adj. unbelievable; enormous
synonym: unbelievable, fantastical, inconceivable

(1) **incredible** amount, (2) at **incredible** speed
Her response revealed **incredible** idiocy.

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.

physiology

n. the branch of the biological sciences dealing with the functioning of organisms

(1) human **physiology**, (2) **physiology** research
Physiology is the science of how living things work.

pioneer

n. inventor; explorer; someone who is among the first to achieve something
synonym: frontiersperson, innovator, trailblazer

(1) act as a **pioneer**, (2) early **pioneers**
John Whitney was a computer animation **pioneer**.

fundamental

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

synonym : basic, essential, entire

(1) **fundamental** education, (2) **fundamental** rights
Human behavior has **fundamental** characteristics.

hurdle

n. a barrier or obstacle that must be overcome

synonym : obstacle, barrier, challenge

(1) overcome **hurdles**, (2) **hurdle** race

The company faced several **hurdles** in the development of its new product.

rejection

n. the act of refusing to accept, use, or consider someone or something; in medicine, an immunological response that refuses to accept substances or organisms that are recognized as foreign

synonym : refusal, denial, repudiation

(1) transplant **rejection**, (2) **rejection** by community
His proposals were met with **rejection**.

immune

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

synonym : resistant, unsusceptible, unaffected

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

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

reject

v. to refuse to accept, consider, or use something or someone

synonym : decline, turn down, repudiate

(1) **reject** the proposal, (2) **reject** all imperfect merchandise

The company **rejected** the job candidate's application due to a lack of experience.

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.

virus

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

synonym: bacterium, germ, ailment

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

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

benign

adj. kind and gentle; not harmful or malicious

synonym: kind, gentle, harmless

(1) **benign** tumor, (2) a **benign** smile

The lump was discovered to be **benign**, and no further treatment was needed.

transmit

v. to send or forward an electronic signal; to pass something from one person or thing to another

synonym: convey, share, dispatch

(1) **transmit** the disease, (2) **transmit** information

Parents often **transmit** their characteristics to their children.

porcine

adj. relating to or resembling pigs; having similar characteristics or habits as pigs

synonym: porky, piggy, swinish

(1) **porcine** epidemic diarrhea, (2) **porcine** herd

The chef prepared a delicious **porcine** meal with roasted pork and bacon-wrapped scallops.

endogenous

adj. originating or arising from within an organism, system, or process rather than from external factors; pertaining to internal causes or influences

synonym : endogenic, innate, internal

(1) **endogenous** growth, (2) **endogenous** opioid system

Endogenous factors like genetics and personality are key in determining our behavior.

retrovirus

n. a type of RNA virus that uses the enzyme reverse transcriptase to convert its RNA into DNA, which then inserts itself into the host cell's genome, which can cause a variety of diseases in humans and animals, including HIV (Human Immunodeficiency Virus)

(1) **retrovirus** infection, (2) feline **retrovirus**

The patient's condition improved after beginning a **retrovirus-targeted** treatment regimen.

viral

adj. relating to or caused by a virus

(1) fight **viral** infections, (2) detect a **viral** code

This device can more accurately detect **viral** pathogens.

epidemic

n. the widespread outbreak of a particular disease in a large number of people at the same time

synonym : outbreak, contagion, plague

(1) a worldwide **epidemic**, (2) health **epidemic**

The disease is now reaching **epidemic** proportions in our country.

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.

legendary

adj. famous or well-known, especially through long-standing popular stories or tradition

synonym : mythical, fabled, storied

(1) **legendary** actor, (2) achieve a **legendary** status

The **legendary** stories of King Arthur have been passed down for centuries.

dragon

n. a mythical monster typically depicted as a giant reptile with wings, claws, and a fiery breath often portrayed as being fierce and dangerous

synonym : wyvern, serpent, drake

(1) **dragon** fruit, (2) **dragon** wing

In Chinese mythology, **dragons** are considered powerful and benevolent creatures.

ancient

adj. relating to the long ago, particularly the historical period preceding the fall of the Western Roman Empire; very old

synonym : archaic, age-old, obsolete

(1) pre-Christian **ancient**, (2) **ancient** stories

They have been living near water since **ancient** times.

temple

n. a place of worship, especially one that is associated with a particular religion or faith; the flat area on either side of the forehead

synonym : shrine, mosque, synagogue

(1) **temple** complex, (2) a tour guide at the **temple**

He visited the **temple** to pray and make offerings to the gods.

vivid

adj. producing very clear, powerful, and detailed images in the mind

synonym : intense, powerful, dazzling

(1) **vivid** colors, (2) still **vivid** in my memory

She made a **vivid** impression.

toss

v. to throw something carelessly with a light motion

synonym : throw, sway

(1) **toss** a coin, (2) **toss** the bottle into a trash can

It would be best if you **tossed** out all those old magazines.

peanut

n. a type of legume that grows underground and is widely cultivated and consumed as a food source

synonym : nut, groundnut, earthnut

(1) **peanut** butter, (2) the seed of a **peanut**

Some people have severe allergies to **peanuts** and must avoid them completely.

distract

v. to draw someone's attention away from what they are trying to do

synonym : divert, preoccupy, confuse

(1) **distract** attention from the real issue, (2) **distract** public opinion

Please don't **distract** me while I'm studying.

hike

n. a long walk or journey, especially for pleasure or exercise; an increase in cost

synonym : walk, trek, excursion

(1) go on a **hike**, (2) a **hike** in prices

The family decided to **hike** in the mountains to enjoy the beautiful scenery.

valley

n. a long depression on the surface of the land, which typically contains a river

synonym : canyon, gorge, dale

(1) **valley** bottom, (2) basin-shaped **valley**

The **valley** had received a mild snowfall the previous week.

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.

makeup

n. colored substances used on someone's face to improve or change their appearance

synonym : maquillage, composition, cosmetic

(1) **makeup** artist, (2) take the **makeup** off her face
Her beauty resulted from a good night's sleep rather than **makeup**.

pathogen

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

synonym: germ, microbe, bacterium

(1) plant **pathogen**, (2) the **pathogen** in the air
mRNA vaccines are approved faster because they do not contain inactivated **pathogens**.

quest

n. a long or challenging search for something

synonym: exploration, inquisition, pursuit

(1) the **quest** for truth, (2) on a **quest** for happiness
That adventurer traveled in **quest** of buried treasure.

torment

n. unbearable physical pain or extreme mental distress;
(verb) to cause severe physical or mental suffering to someone, or to be the victim of such suffering

synonym: pain, suffering, agony

(1) **torment** of jealousy, (2) economic **torment**
The torturers inflicted great **torment** upon the prisoners.

nerd

n. a person who is very interested in and knowledgeable about a particular subject such as computers, mathematics, chess, etc.

synonym: geek, techie, wonk

(1) a computer **nerd**, (2) **nerd** neck
He was, by nature, a cyber **nerd**.

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.

church

n. a building or institution dedicated to religious worship or activities; a Christian religious organization or denomination

synonym: chapel, cathedral, synagogue

(1) **church** bell, (2) small **church**

The **church** on the corner is hosting a free community meal tonight.

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**.

experiment

n. the scientific test conducted to observe what happens and gain new knowledge

synonym: experimentation, investigation

(1) **experiment** design, (2) series of **experiments**

His **experiments** showed highly positive results.

mammal

n. any animal of which the female gives birth to live young, not eggs, and feeds her young on milk from her own body

(1) a primitive **mammal**, (2) a sort of **mammal**

Marine **mammal** populations are declining worldwide due to ocean pollution.

colleague

n. one of a group of a coworker, especially in a profession or a business

synonym: coworker, associate, fellow

(1) collaborate with **colleagues**, (2) former **colleague**

I decided to seek counseling on the advice of my **colleague**.

exciting

adj. causing a lot of interest or excitement

synonym: exhilarating, stimulating, thrilling

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

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

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**.

gene

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

synonym: factor, cistron

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

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

component

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

synonym: element, part, factor

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

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

scissor

v. (noun, usually "scissors") a cutting instrument consisting of a pair of metal blades; to cut or clip something with scissors; to move or position two things that cross each other like a pair of scissors

synonym: cut, clip, shear

(1) **scissor** paper, (2) kitchen **scissors**

I need to **scissor** my hair to even out the ends.

enzyme

n. a substance produced by a living organism that acts as a catalyst to bring about a specific biochemical reaction

synonym: catalyst, activator, accelerator

(1) **enzyme** reaction, (2) lack of digestive **enzymes**

A deficiency in the **enzyme** can lead to a medical condition.

microscope

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

synonym: lens, magnifier, eyepiece

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

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

physician

n. a medical doctor who practices medicine

synonym: doctor, practitioner, medic

(1) the advice of the **physician**, (2) consult with a **physician**

She visited the local **physician** to seek treatment for her persistent headache.

mass

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

synonym: abundance, crowd, mob

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

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

intrigue

v. to make someone interested, especially by being strange, unusual, or mysterious; to make a secret plan with other people to harm someone

synonym: attract, captivate, charm

(1) **intrigue** him, (2) **intrigue** against his rival

The artist's innovative style of work **intrigues** me.

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.

complexity

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

synonym: intricacy, sophistication, elaboration

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

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

compatible

adj. capable of coexisting or working together without conflict or inconsistency; harmonious or well-matched

synonym: harmonious, congruent, consistent

(1) fully **compatible**, (2) **compatible** with HTML5

The new software is not **compatible** with the old operating system, causing compatibility issues and errors.

nucleus

n. the central and most important part of something; (biology) a part of the cell containing DNA and RNA and responsible for growth and reproduction; (physics) the very dense central region of an atom

synonym: core, heart, middle

(1) form a **nucleus**, (2) the **nucleus** of a team

DNA is stored in the **nucleus** of a cell.

implant

v. to insert or fix an artificial device in a person's body; to put an idea, attitude, etc., firmly in the mind

synonym: insert, fix, place

(1) **implant** genes in the animals, (2) **implant** into the uterus

The doctor will **implant** a pacemaker to regulate his heart rate.

divide

v. to separate or cause to separate into parts or groups

synonym: separate, disconnect, split

(1) **divide** the cake into two pieces, (2) **divide** money equally

Can you **divide** 123321 by eleven?

embryo

n. an animal organism in the early stages of growth, either in its mother's womb or in an egg, or a plant that is

developing in a seed

synonym : fetus, seed, origin

(1) destruction of human **embryos**, (2) **embryo** cloning

Our latest project is still at the **embryo** stage.

uterus

n. a hollow muscular organ in the body of a woman or other female mammal in which a baby or young animal develops before birth

synonym : womb

(1) **uterus** cancer, (2) bleeding from **uterus**

The physician prescribed medication to relieve the contraction of the **uterus**.

surrogate

adj. acting as a substitute or replacement for someone or something else; having a similar function or purpose

synonym : substitute, replacement, deputy

(1) **surrogate** pregnancy, (2) **surrogate** decision

The **surrogate** mother gave birth to a healthy baby for the couple who couldn't conceive independently.

clone

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

synonym : duplicate, imitation, reproduction

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

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

piglet

n. a young or small pig

synonym : shoat, piggy, shote

(1) **piglet** racing, (2) hungry **piglet**

The farmer found a cute newborn **piglet** wandering in the field.

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.

transmission

n. the act or process of sending something from one person or place to another; the process of broadcasting over the airwaves, as in radio or television

synonym: transportation, communication, broadcast

(1) **transmission** speed, (2) the **transmission** gears of a car

Education is the **transmission** of civilization.

genome

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

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

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

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.

throughput

n. the amount of material or information that can be processed by a system or organization over a given period of time

synonym: output, capacity

(1) workplace **throughput**, (2) network **throughput**

The data center's **throughput** is impressive, allowing for quick processing of large amounts of data.

hundredfold

adj. a hundred times as great or as much

(1) rise nearly **hundredfold**, (2) improve **hundredfold**

The development team reported two **hundredfold** increases

in performance.

achieve

v. to successfully complete a task or goal, often through hard work, perseverance, and dedication; to attain or accomplish something that one has set out to do

synonym: accomplish, attain, reach

(1) **achieve** success, (2) **achieve** milestones

I will work hard to **achieve** my goals and realize my dreams.

eliminate

v. to remove or get rid of someone or something

synonym: wipe out, destroy, eradicate

(1) **eliminate** contestants, (2) **eliminate** sexual barriers

We can **eliminate** this possibility from those consumptions.

possibility

n. a chance that something may happen or be true

synonym: chance, prospect, likelihood

(1) **possibility** for growth, (2) **possibility** of a major earthquake

The **possibility** of getting the disease will drastically increase.

modify

v. to change something slightly, such as a plan, option, law, etc., especially to make it more suitable for a particular purpose

synonym: adjust, alter, revise

(1) genetically **modify** food, (2) **modify** my behavior

We use adverbs to **modify** verbs and adjectives.

start-up

n. a newly established company or business

(1) **start-up** business, (2) early-stage **start-up**

Our company's services are targeted at **start-up** executives.

genesis

n. the origin or beginning of something; the first book of the biblical scriptures of both Judaism and Christianity, describing the creation of the Earth and humankind

synonym: beginning, creation, provenance

(1) the **genesis** of civilization, (2) in the Book of **Genesis**

The politician's remarks became the **genesis** of the clash between the two countries.

represent

v. to speak, act, or be present on behalf of another person or group; to form or constitute

synonym: depict, express, describe

(1) **represent** by a diagram, (2) the characters that **represent** numbers

We elected him to **represent** us at the international conference.

critic

n. someone who expresses opinions about the quality of books, music, etc.

synonym: pundit, analyst, attacker

(1) art **critic**, (2) severe **critic**

Advocates for legal reform hear less harsh words from their **critics**.

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.

immunology

n. the branch of medical science that deals with the immune system of the body and its functions, including the body's response to foreign substances such as viruses and bacteria; it also involves the study of immunodeficiencies, autoimmune diseases, and immunotherapies

synonym: study of immunity, immunobiology, serology

(1) **immunology** research, (2) **immunology** laboratory

Recent advances in **immunology** have shown promise in the fight against cancer

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.

orbit

n. the path of an object around a celestial body, especially a planet, star, or moon, under the influence of gravity.

synonym : path, course, trajectory

(1) the **orbit** of the moon, (2) a planetary **orbit**

The rocket engine is used to put the satellite into **orbit**.

sibling

n. a brother or sister; member of a family born to the same parents

synonym : brother, sister, relative

(1) have a **sibling** quarrel, (2) play with my **siblings**

Children often copy their parents or elder **siblings**.

frontier

n. a border that separates two countries, or the area near this line

synonym : border, boundary, borderland

(1) **frontier** disputes, (2) the Italian **frontier** with Switzerland

He worked at the **frontier** of behavioral economics.

medicinal

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

synonym : curative, therapeutic, healing

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

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

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.

liver

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

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

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

donation

n. a voluntary gift of money, service, or ideas that are given to a person or an organization, or the act of giving them

synonym: contribution, gift, subsidy

(1) make a **donation**, (2) political **donation**

He made a generous **donation** to the charity.

diabetes

n. a medical condition in which the body cannot produce enough insulin to control the glucose levels in the blood

(1) juvenile **diabetes**, (2) **diabetes** patient

My father was tested for **diabetes**.

rely

v. to require a specific thing or the assistance and support of someone or something to continue, run properly, or succeed.

synonym: depend, count, lean

(1) **rely** on convenience stores, (2) **rely** entirely on him

Babies heavily **rely** on others for food.

insulin

n. a hormone produced in the pancreas that controls the amount of sugar in the blood, or a similar artificial substance used for the treatment of diabetes

(1) daily **insulin** dose, (2) development of **insulin** resistance

He had an **insulin** shock after drinking large quantities of fruit juices.

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.

burden

n. a duty, responsibility, etc. that is oppressive or worrisome; a load, typically a heavy one that is difficult to carry

synonym: obligation, duty, load

(1) carry a **burden**, (2) **burden** of disease

That car has a low environmental **burden**.

dialysis

n. a medical treatment that removes waste and excess fluids from the blood of a patient with kidney failure

(1) **dialysis** nurse, (2) **dialysis** machine

Regular **dialysis** treatments are necessary for those with kidney failure.

strive

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

synonym: preserve, endure, persist

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

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

humble

adj. having or showing a modest or low estimate of one's quality or importance

synonym: modest, unpretentious, abject

(1) a **humble** cottage, (2) **humble** opinion

The nobler, the more **humble**.

anticipate

v. to expect or predict that something will happen; to tell in advance

synonym: forecast, predict, expect

(1) **anticipate** your kind cooperation, (2) **anticipate** a black future

We **anticipate** heavy snowfall tomorrow.

responsible

adj. answerable or accountable for something within one's power, control, or management

synonym : accountable, answerable, liable

(1) **responsible** action, (2) **responsible** for a customer service

She's a **responsible** pet owner who ensures her dog gets enough exercise and a healthy diet.

translate

v. to convert or change words into another language

synonym : convert, transcribe, render

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

Translate the text from Italian into English.

cutting-edge

adj. being at the forefront of a particular field or development; (noun) the latest or most advanced stage in the development of a specific type of work or activity

synonym : state-of-the-art, innovative, advanced

(1) **cutting-edge** molecular biology, (2) **cutting-edge** design

The **cutting-edge** technology was revolutionary in its field.

extraordinary

adj. exceptional, unexpected, very unusual; surpassing the ordinary or usual

synonym : exceptional, noteworthy, astonishing

(1) **extraordinary** ability, (2) **extraordinary** weather

He narrated the **extraordinary** story of his adventure.

rid

v. to make someone or something free of unwanted or unpleasant tasks, objects, or person

synonym : do away with, free, clear

(1) get **rid** of the rats, (2) **rid** the body of waste products

We must **rid** ourselves of pollution.

involve

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

synonym : implicate, include, engage

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

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

yang

n. in Chinese philosophy, the masculine or active principle characterized as light and the sun and associated with hardness, dryness, and heat

synonym: masculine, positive, active

(1) the **yang** principle, (2) embody **yang** energy

He saw the balance between the yin and **yang** as crucial for a harmonious life.

complicated

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

synonym: complex, convoluted, intricate

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

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

antigen

n. a substance that triggers the body's immune response (= the reaction for fighting infections) for defending the body, especially by producing antibodies (= proteins that identify and attack harmful bacteria, viruses, etc.)

(1) detect **antigen**, (2) viral **antigen**

Antigen testing is less accurate than PCR testing but easier to perform.

addition

n. the act or process of adding something to something else; the process of adding numbers

synonym: accumulation, expansion, addendum

(1) chemical **addition**, (2) **addition** of vectors

In **addition**, private corporations provide healthcare services.

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.

invade

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

synonym : intrude, raid, overrun

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

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

circumvent

v. to go around, avoid, or bypass something, often to achieve an intended goal or objective; to outmaneuver or outsmart a person or obstacle

synonym : evade, bypass, outsmart

(1) **circumvent** rules, (2) **circumvent** authority

I took a back road to work on time to **circumvent** the traffic jam.

utilize

v. to use something for a practical purpose in an effective way

synonym : employ, use, operate

(1) **utilize** a different approach, (2) **utilize** a catheter

The cook **utilized** the leftover oxtail to make soup.

implement

v. to put a decision, plan, or system into effect

synonym : execute, enforce, put through

(1) **implement** a corporate strategy, (2) **implement** security measures

The government promised to **implement** a new system to control the financial crisis.

estimate

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

synonym : calculate, gauge, evaluate

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

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

irresponsible

adj. not showing a proper sense of responsibility; not reliable
synonym : careless, reckless, thoughtless

(1) **irresponsible** actions, (2) **irresponsible** behavior

It was **irresponsible** of him to drive home after drinking so much alcohol.

excite

v. to make someone feel suddenly enthusiastic or eager
synonym : thrill, exhilarate, animate

(1) **excite** the crowd, (2) **excite** rebellion

The news of her promotion **excited** her.

humming

adj. producing a continuous, low, vibrating sound like that of the bee

synonym : buzzing, droning, vibrating

(1) **humming** sound, (2) **humming** bird

The **humming** of the bees filled the air as she walked through the garden.

exploit

v. to make full use of and gain an advantage from resources, opportunities, etc.

synonym : use, abuse, control

(1) **exploit** a security hole, (2) **exploit** a valuable opportunity

We **exploit** our mining resources to strengthen our national power.

harvest

n. yields of plants in a single growing season; the period of the year when gathering occurs on a farm

synonym : crop, reaping, yield

(1) a scanty **harvest**, (2) reap a **harvest**

During **harvest**, farmers are incredibly busy.

unmet

adj. describing a need, goal, or expectation that has not been satisfied or fulfilled

synonym :

unsatisfied, unfulfilled, unmatched

(1) **unmet** demand, (2) **unmet** needs

The **unmet** expectations of the customers led to a decrease in sales.

bacon

n. a type of salt-cured pork that is usually sliced and fried; a meat product that is derived from the back or sides of a pig

synonym: ham, pork belly, gammon

(1) **bacon** and eggs, (2) **bacon** sandwich

I love the smell of **bacon** sizzling in the morning.

Session 2: Spelling

- | | |
|---------------------------------|---|
| 1. di____es patient | <i>n.</i> a medical condition in which the body cannot produce enough insulin to control the glucose levels in the blood |
| 2. the science of ge____cs | <i>n.</i> the branch of biology that studies genes, genetic variation, and heredity in organisms |
| 3. cut____dge molecular biology | <i>adj.</i> being at the forefront of a particular field or development; (noun) the latest or most advanced stage in the development of a specific type of work or activity |
| 4. severe cr____c | <i>n.</i> someone who expresses opinions about the quality of books, music, etc. |
| 5. medical l_b | <i>n.</i> a workplace for the conduct of scientific research; a laboratory |
| 6. electron mic____pe | <i>n.</i> an instrument used to see objects or substances that are too small to be seen with the naked eye |
| 7. r__y entirely on him | <i>v.</i> to require a specific thing or the assistance and support of someone or something to continue, run properly, or succeed. |
| 8. political do____on | <i>n.</i> a voluntary gift of money, service, or ideas that are given to a person or an organization, or the act of giving them |
| 9. di____b his sleep | <i>v.</i> to interrupt someone who is trying to work, sleep, etc. |

ANSWERS: 1. diabetes, 2. genetics, 3. cutting-edge, 4. critic, 5. lab, 6. microscope, 7. rely, 8. donation, 9. disturb

- | | | |
|---|-------------|--|
| 10. ba__n sandwich | <i>n.</i> | a type of salt-cured pork that is usually sliced and fried; a meat product that is derived from the back or sides of a pig |
| 11. wo___n the food problem | <i>v.</i> | to become or make something worse |
| 12. im_____nt a corporate strategy | <i>v.</i> | to put a decision, plan, or system into effect |
| 13. un__t needs | <i>adj.</i> | describing a need, goal, or expectation that has not been satisfied or fulfilled |
| 14. di_____e control | <i>n.</i> | a disorder or illness that affects the body or mind, often characterized by specific symptoms or abnormal functioning of organs or systems |
| 15. im_____nt security measures | <i>v.</i> | to put a decision, plan, or system into effect |
| 16. vi__d colors | <i>adj.</i> | producing very clear, powerful, and detailed images in the mind |
| 17. the characters that re_____nt numbers | <i>v.</i> | to speak, act, or be present on behalf of another person or group; to form or constitute |
| 18. in___e his privacy | <i>v.</i> | to enter aggressively into another's territory by military force for conquest and occupation |
| 19. tr_____it information | <i>v.</i> | to send or forward an electronic signal; to pass something from one person or thing to another |
| 20. rise nearly hun_____ld | <i>adj.</i> | a hundred times as great or as much |
| 21. ex_____t a valuable opportunity | <i>v.</i> | to make full use of and gain an advantage from resources, opportunities, etc. |

ANSWERS: 10. bacon, 11. worsen, 12. implement, 13. unmet, 14. disease, 15. implement, 16. vivid, 17. represent, 18. invade, 19. transmit, 20. hundredfold, 21. exploit

22. ex___e the crowd *v.* to make someone feel suddenly enthusiastic or eager
23. im____t genes in the animals *v.* to insert or fix an artificial device in a person's body; to put an idea, attitude, etc., firmly in the mind
24. pos_____ty of a major earthquake *n.* a chance that something may happen or be true
25. evolutionary bi____y *n.* the scientific study of life and the natural processes of living things
26. de___e a question *v.* to make up someone's mind about something; to come to a conclusion or judgment after considering options
27. de_____te attempt *adj.* feeling or showing a lack of hope and a willingness to do anything because of the problematic situation
28. viral an____n *n.* a substance that triggers the body's immune response (= the reaction for fighting infections) for defending the body, especially by producing antibodies (= proteins that identify and attack harmful bacteria, viruses, etc.)
29. re_____on by community *n.* the act of refusing to accept, use, or consider someone or something; in medicine, an immunological response that refuses to accept substances or organisms that are recognized as foreign
30. ease her hea_____ak *n.* a feeling of great sadness or disappointment

ANSWERS: 22. excite, 23. implant, 24. possibility, 25. biology, 26. decide, 27. desperate, 28. antigen, 29. rejection, 30. heartbreak

31. fatty li__r *n.* a large organ in the body, involved in many metabolic processes, such as detoxification of the organism, and the synthesis of proteins
32. po_____e epidemic diarrhea *adj.* relating to or resembling pigs; having similar characteristics or habits as pigs
33. n__d neck *n.* a person who is very interested in and knowledgeable about a particular subject such as computers, mathematics, chess, etc.
34. a computer n__d *n.* a person who is very interested in and knowledgeable about a particular subject such as computers, mathematics, chess, etc.
35. achieve a le_____ry status *adj.* famous or well-known, especially through long-standing popular stories or tradition
36. cir_____nt authority *v.* to go around, avoid, or bypass something, often to achieve an intended goal or objective; to outmaneuver or outsmart a person or obstacle
37. critical m__s *n.* a large amount of a substance with no definite shape or form; a large number of people or things grouped or crowded together
38. spread of the vi__s *n.* a tiny infectious organic material that causes disease in people, animals, and plants
39. imm_____gy laboratory *n.* the branch of medical science that deals with the immune system of the body and its functions, including the body's response to foreign substances such as viruses and bacteria; it also involves the study of immunodeficiencies, autoimmune diseases, and immunotherapies

ANSWERS: 31. liver, 32. porcine, 33. nerd, 34. nerd, 35. legendary, 36. circumvent,

37. mass, 38. virus, 39. immunology

40. become increasingly com_____ed *adj.* involving a lot of different things or parts in a way that is difficult to understand or analyze
41. 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
42. the qu__t for truth *n.* a long or challenging search for something
43. key co_____nt *n.* one of several parts that combines with others to form something bigger
44. pi___t racing *n.* a young or small pig
45. destruction of human em___os *n.* an animal organism in the early stages of growth, either in its mother's womb or in an egg, or a plant that is developing in a seed
46. g__e cloning *n.* the fundamental unit of heredity and the sequence of nucleotides in DNA that codes for the creation of RNA or protein.
47. el_____te contestants *v.* to remove or get rid of someone or something
48. sy___l for happiness *n.* something visible that is used to represent something else
49. a primitive ma___l *n.* any animal of which the female gives birth to live young, not eggs, and feeds her young on milk from her own body

ANSWERS: 40. complicated, 41. process, 42. quest, 43. component, 44. piglet, 45. embryo, 46. gene, 47. eliminate, 48. symbol, 49. mammal

50. re_____nt by a diagram *v.* to speak, act, or be present on behalf of another person or group; to form or constitute
51. bleeding from ut____s *n.* a hollow muscular organ in the body of a woman or other female mammal in which a baby or young animal develops before birth
52. an_____t stories *adj.* relating to the long ago, particularly the historical period preceding the fall of the Western Roman Empire; very old
53. end_____us opioid system *adj.* originating or arising from within an organism, system, or process rather than from external factors; pertaining to internal causes or influences
54. early pi_____rs *n.* inventor; explorer; someone who is among the first to achieve something
55. be____n tumor *adj.* kind and gentle; not harmful or malicious
56. detect an_____n *n.* a substance that triggers the body's immune response (= the reaction for fighting infections) for defending the body, especially by producing antibodies (= proteins that identify and attack harmful bacteria, viruses, etc.)
57. tra_____ion speed *n.* the act or process of sending something from one person or place to another; the process of broadcasting over the airwaves, as in radio or television
58. va____y bottom *n.* a long depression on the surface of the land, which typically contains a river

ANSWERS: 50. represent, 51. uterus, 52. ancient, 53. endogenous, 54. pioneer, 55. benign, 56. antigen, 57. transmission, 58. valley

59. di___e the cake into two pieces *v.* to separate or cause to separate into parts or groups
60. ut____e a catheter *v.* to use something for a practical purpose in an effective way
61. pe___t butter *n.* a type of legume that grows underground and is widely cultivated and consumed as a food source
62. the y__g principle *n.* in Chinese philosophy, the masculine or active principle characterized as light and the sun and associated with hardness, dryness, and heat
63. buy the company's st___e *n.* a share or financial investment in something such as a business; a wooden or metal post set up to mark something
64. ad____e the technology *v.* to go or move forward; to develop in a positive way
65. cell and molecular bi____y *n.* the scientific study of life and the natural processes of living things
66. act as a pi____r *n.* inventor; explorer; someone who is among the first to achieve something
67. further mod____ion *n.* the act of changing something, usually to improve it, or something changed
68. ch___h bell *n.* a building or institution dedicated to religious worship or activities; a Christian religious organization or denomination
69. me____al chemistry *adj.* of or relating to the treatment or cure of disease

ANSWERS: 59. divide, 60. utilize, 61. peanut, 62. yang, 63. stake, 64. advance, 65. biology, 66. pioneer, 67. modification, 68. church, 69. medicinal

70. re___t the proposal *v.* to refuse to accept, consider, or use something or someone
71. ant_____te a black future *v.* to expect or predict that something will happen; to tell in advance
72. in_____e a lot of paperwork *v.* to include or affect someone or something as a necessary part of something else
73. su_____te decision *adj.* acting as a substitute or replacement for someone or something else; having a similar function or purpose
74. su_____te pregnancy *adj.* acting as a substitute or replacement for someone or something else; having a similar function or purpose
75. ut___s cancer *n.* a hollow muscular organ in the body of a woman or other female mammal in which a baby or young animal develops before birth
76. ta___e the issue *v.* to try to deal with a complex problem or situation
77. hu_____g bird *adj.* producing a continuous, low, vibrating sound like that of the bee
78. fr_____er disputes *n.* a border that separates two countries, or the area near this line
79. te___e complex *n.* a place of worship, especially one that is associated with a particular religion or faith; the flat area on either side of the forehead
80. on a qu__t for happiness *n.* a long or challenging search for something

ANSWERS: 70. reject, 71. anticipate, 72. involve, 73. surrogate, 74. surrogate, 75. uterus, 76. tackle, 77. humming, 78. frontier, 79. temple, 80. quest

81. carry a bu___n *n.* a duty, responsibility, etc. that is oppressive or worrisome; a load, typically a heavy one that is difficult to carry
82. po_____e herd *adj.* relating to or resembling pigs; having similar characteristics or habits as pigs
83. dr___n wing *n.* a mythical monster typically depicted as a giant reptile with wings, claws, and a fiery breath often portrayed as being fierce and dangerous
84. a me_____l opinion *adj.* relating to the treatment of illness or injuries; relating to the practice of medicine
85. to_____t of jealousy *n.* unbearable physical pain or extreme mental distress; (verb) to cause severe physical or mental suffering to someone, or to be the victim of such suffering
86. di_____b the peace *v.* to interrupt someone who is trying to work, sleep, etc.
87. help ta___e climate change *v.* to try to deal with a complex problem or situation
88. ext_____ary weather *adj.* exceptional, unexpected, very unusual; surpassing the ordinary or usual
89. have ge_____c testing *adj.* of or relating to genes (= parts of the DNA in cells) or the science of genes
90. el_____te sexual barriers *v.* to remove or get rid of someone or something
91. t__s a coin *v.* to throw something carelessly with a light motion

ANSWERS: 81. burden, 82. porcine, 83. dragon, 84. medical, 85. torment, 86. disturb, 87. tackle, 88. extraordinary, 89. genetic, 90. eliminate, 91. toss

92. reap a ha_____t *n.* yields of plants in a single growing season; the period of the year when gathering occurs on a farm
93. di_____e money equally *v.* to separate or cause to separate into parts or groups
94. he is opt_____ic *adj.* hoping or expecting that good thing will happen or something will be successful
95. int_____ory biology text *adj.* intended as an introduction or preliminary; serving as a base or starting point
96. dr_____n fruit *n.* a mythical monster typically depicted as a giant reptile with wings, claws, and a fiery breath often portrayed as being fierce and dangerous
97. collaborate with co_____ues *n.* one of a group of a coworker, especially in a profession or a business
98. es_____te this chicken to weigh three pounds *v.* to guess or calculate the cost, size, value, etc. of something
99. consult with a ph_____an *n.* a medical doctor who practices medicine
100. ob_____n a license *v.* to get something, especially by making a great effort
101. the or____t of the moon *n.* the path of an object around a celestial body, especially a planet, star, or moon, under the influence of gravity.
102. former co_____ue *n.* one of a group of a coworker, especially in a profession or a business
103. ret_____us infection *n.* a type of RNA virus that uses the enzyme reverse transcriptase to convert its RNA into DNA, which then inserts itself into the host cell's genome, which can cause a variety of diseases in humans and animals, including HIV (Human Immunodeficiency Virus)

ANSWERS: 92. harvest, 93. divide, 94. optimistic, 95. introductory, 96. dragon, 97. colleague, 98. estimate, 99. physician, 100. obtain, 101. orbit, 102. colleague, 103.

retrovirus

104. em___o cloning *n.* an animal organism in the early stages of growth, either in its mother's womb or in an egg, or a plant that is developing in a seed
105. have a si_____g quarrel *n.* a brother or sister; member of a family born to the same parents
106. r__y on convenience stores *v.* to require a specific thing or the assistance and support of someone or something to continue, run properly, or succeed.
107. com_____ty theory *n.* the state or quality of being complicated or intricate and difficult to understand
108. e__t a history book *v.* to prepare written material for publication by correcting, condensing, or otherwise modifying it
109. sc_____r paper *v.* (noun, usually "scissors") a cutting instrument consisting of a pair of metal blades; to cut or clip something with scissors; to move or position two things that cross each other like a pair of scissors
110. ge___e analyses *n.* the complete set or sequence of genes of a human, animal, plant, or other living things
111. ad_____on of vectors *n.* the act or process of adding something to something else; the process of adding numbers
112. di_____is nurse *n.* a medical treatment that removes waste and excess fluids from the blood of a patient with kidney failure

ANSWERS: 104. embryo, 105. sibling, 106. rely, 107. complexity, 108. edit, 109. scissor, 110. genome, 111. addition, 112. dialysis

113. ex___e rebellion *v.* to make someone feel suddenly enthusiastic or eager
114. health ep____ic *n.* the widespread outbreak of a particular disease in a large number of people at the same time
115. recombinant cl__e *n.* a plant or animal whose genetic information is identical to that of a parent organism from which it was created; an unauthorized copy or imitation
116. a planetary or__t *n.* the path of an object around a celestial body, especially a planet, star, or moon, under the influence of gravity.
117. ac____e success *v.* to successfully complete a task or goal, often through hard work, perseverance, and dedication; to attain or accomplish something that one has set out to do
118. mo___y my behavior *v.* to change something slightly, such as a plan, option, law, etc., especially to make it more suitable for a particular purpose
119. pa____t with weight loss *n.* a person who is receiving medical treatment, care, or attention from a healthcare professional, such as a doctor, nurse, or therapist; a personal quality or characteristic
120. inc____le amount *adj.* unbelievable; enormous
121. chemical ad____on *n.* the act or process of adding something to something else; the process of adding numbers

ANSWERS: 113. excite, 114. epidemic, 115. clone, 116. orbit, 117. achieve, 118. modify, 119. patient, 120. incredible, 121. addition

122. feline ret_____us *n.* a type of RNA virus that uses the enzyme reverse transcriptase to convert its RNA into DNA, which then inserts itself into the host cell's genome, which can cause a variety of diseases in humans and animals, including HIV (Human Immunodeficiency Virus)
123. in_____ue against his rival *v.* to make someone interested, especially by being strange, unusual, or mysterious; to make a secret plan with other people to harm someone
124. the nu_____s of a team *n.* the central and most important part of something; (biology) a part of the cell containing DNA and RNA and responsible for growth and reproduction; (physics) the very dense central region of an atom
125. a ge_____c disorder *adj.* of or relating to genes (= parts of the DNA in cells) or the science of genes
126. fully com_____le *adj.* capable of coexisting or working together without conflict or inconsistency; harmonious or well-matched
127. a man of ex_____te sensitivity *adj.* extremely beautiful and delicate
128. the tra_____ion gears of a car *n.* the act or process of sending something from one person or place to another; the process of broadcasting over the airwaves, as in radio or television
129. 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

ANSWERS: 122. retrovirus, 123. intrigue, 124. nucleus, 125. genetic, 126. compatible, 127. exquisite, 128. transmission, 129. pancreas

130. phy_____gy research *n.* the branch of the biological sciences dealing with the functioning of organisms
131. sequencing of the human ge___e *n.* the complete set or sequence of genes of a human, animal, plant, or other living things
132. 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
133. embody y__g energy *n.* in Chinese philosophy, the masculine or active principle characterized as light and the sun and associated with hardness, dryness, and heat
134. a worldwide ep_____ic *n.* the widespread outbreak of a particular disease in a large number of people at the same time
135. tr_____te a document into English *v.* to convert or change words into another language
136. basin-shaped va___y *n.* a long depression on the surface of the land, which typically contains a river
137. hu___e race *n.* a barrier or obstacle that must be overcome
138. ex_____te crafts *adj.* extremely beautiful and delicate
139. st___e for excellence *v.* to try very hard to do, achieve, or obtain something
140. ma___p artist *n.* colored substances used on someone's face to improve or change their appearance

ANSWERS: 130. physiology, 131. genome, 132. discovery, 133. yang, 134. epidemic, 135. translate, 136. valley, 137. hurdle, 138. exquisite, 139. strive, 140. makeup

141. 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
142. di____is machine *n.* a medical treatment that removes waste and excess fluids from the blood of a patient with kidney failure
143. still vi__d in my memory *adj.* producing very clear, powerful, and detailed images in the mind
144. 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
145. a strain of vi__s *n.* a tiny infectious organic material that causes disease in people, animals, and plants
146. in____e a high degree of risk *v.* to include or affect someone or something as a necessary part of something else
147. res____le for a customer service *adj.* answerable or accountable for something within one's power, control, or management
148. opt____ic outlook *adj.* hoping or expecting that good thing will happen or something will be successful
149. r_d the body of waste products *v.* to make someone or something free of unwanted or unpleasant tasks, objects, or person

ANSWERS: 141. pancreas, 142. dialysis, 143. vivid, 144. cancer, 145. virus, 146. involve, 147. responsible, 148. optimistic, 149. rid

150. cr__l joke *adj.* feeling or showing pleasure in causing pain or suffering to others
151. tra_____nt a heart *v.* to move or transfer something from one place or person to another; to take living tissue or an organ from one person, animal, part of the body, etc. and put it into or onto another
152. a m__s of molten rock *n.* a large amount of a substance with no definite shape or form; a large number of people or things grouped or crowded together
153. li__r disease *n.* a large organ in the body, involved in many metabolic processes, such as detoxification of the organism, and the synthesis of proteins
154. the advice of the ph_____an *n.* a medical doctor who practices medicine
155. get r_d of the rats *v.* to make someone or something free of unwanted or unpleasant tasks, objects, or person
156. pa_____t in the hospital *n.* a person who is receiving medical treatment, care, or attention from a healthcare professional, such as a doctor, nurse, or therapist; a personal quality or characteristic
157. take the ma___p off her face *n.* colored substances used on someone's face to improve or change their appearance
158. financial cr___s *n.* a time of great disagreement, confusion, or danger when problems must be resolved or critical decisions must be taken

ANSWERS: 150. cruel, 151. transplant, 152. mass, 153. liver, 154. physician, 155. rid, 156. patient, 157. makeup, 158. crisis

159. fun_____al rights *adj.* forming an essential base or core from which everything else develops or is affected
160. in_____ue him *v.* to make someone interested, especially by being strange, unusual, or mysterious; to make a secret plan with other people to harm someone
161. im___e from criminal prosecution *adj.* protected against a particular disease or toxin due to the presence of specific antibodies or sensitized white blood cells
162. fun_____al education *adj.* forming an essential base or core from which everything else develops or is affected
163. human phy_____gy *n.* the branch of the biological sciences dealing with the functioning of organisms
164. overcome hu___es *n.* a barrier or obstacle that must be overcome
165. chronic ki___y disease *n.* either of a pair of small organs in the body that filter waste products, especially urea, from the blood and excrete them and water in urine
166. development of in_____n resistance *n.* a hormone produced in the pancreas that controls the amount of sugar in the blood, or a similar artificial substance used for the treatment of diabetes
167. im_____t into the uterus *v.* to insert or fix an artificial device in a person's body; to put an idea, attitude, etc., firmly in the mind

ANSWERS: 159. fundamental, 160. intrigue, 161. immune, 162. fundamental, 163. physiology, 164. hurdle, 165. kidney, 166. insulin, 167. implant

168. workplace thr_____ut
n. the amount of material or information that can be processed by a system or organization over a given period of time
169. a be___n smile
adj. kind and gentle; not harmful or malicious
170. ba___n and eggs
n. a type of salt-cured pork that is usually sliced and fried; a meat product that is derived from the back or sides of a pig
171. tr_____it the disease
v. to send or forward an electronic signal; to pass something from one person or thing to another
172. the pa_____en in the air
n. a bacterium, virus, or other microorganism that causes disease
173. go on a h___e
n. a long walk or journey, especially for pleasure or exercise; an increase in cost
174. cl___e embryo
n. a plant or animal whose genetic information is identical to that of a parent organism from which it was created; an unauthorized copy or imitation
175. at inc_____le speed
adj. unbelievable; enormous
176. ge_____cs discrimination
n. the branch of biology that studies genes, genetic variation, and heredity in organisms
177. ex_____ng football player
adj. causing a lot of interest or excitement
178. cir_____nt rules
v. to go around, avoid, or bypass something, often to achieve an intended goal or objective; to outmaneuver or outsmart a person or obstacle

ANSWERS: 168. throughput, 169. benign, 170. bacon, 171. transmit, 172. pathogen, 173. hike, 174. clone, 175. incredible, 176. genetics, 177. exciting, 178. circumvent

179. irr_____ble behavior *adj.* not showing a proper sense of responsibility; not reliable
180. an artificial ki____y *n.* either of a pair of small organs in the body that filter waste products, especially urea, from the blood and excrete them and water in urine
181. exp_____al growth *adj.* becoming more and more rapid; of or involving mathematical exponents
182. fight vi__l infections *adj.* relating to or caused by a virus
183. di_____ct attention from the real issue *v.* to draw someone's attention away from what they are trying to do
184. wo____n a relation *v.* to become or make something worse
185. exp_____al function *adj.* becoming more and more rapid; of or involving mathematical exponents
186. pos_____ty for growth *n.* a chance that something may happen or be true
187. small ch____h *n.* a building or institution dedicated to religious worship or activities; a Christian religious organization or denomination
188. end_____us growth *adj.* originating or arising from within an organism, system, or process rather than from external factors; pertaining to internal causes or influences
189. ant_____te your kind cooperation *v.* to expect or predict that something will happen; to tell in advance
190. 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

ANSWERS: 179. irresponsible, 180. kidney, 181. exponential, 182. viral, 183. distract, 184. worsen, 185. exponential, 186. possibility, 187. church, 188. endogenous, 189. anticipate, 190. decide

191. in___e other tissues *v.* to enter aggressively into another's territory by military force for conquest and occupation
192. daily in_____n dose *n.* a hormone produced in the pancreas that controls the amount of sugar in the blood, or a similar artificial substance used for the treatment of diabetes
193. tra_____nt my family to America *v.* to move or transfer something from one place or person to another; to take living tissue or an organ from one person, animal, part of the body, etc. and put it into or onto another
194. a h___e in prices *n.* a long walk or journey, especially for pleasure or exercise; an increase in cost
195. ut_____e a different approach *v.* to use something for a practical purpose in an effective way
196. make a do_____on *n.* a voluntary gift of money, service, or ideas that are given to a person or an organization, or the act of giving them
197. sy___l color *n.* something visible that is used to represent something else
198. es_____te a fair value *v.* to guess or calculate the cost, size, value, etc. of something
199. the ge_____s of civilization *n.* the origin or beginning of something; the first book of the biblical scriptures of both Judaism and Christianity, describing the creation of the Earth and humankind

ANSWERS: 191. invade, 192. insulin, 193. transplant, 194. hike, 195. utilize, 196. donation, 197. symbol, 198. estimate, 199. genesis

200. irr_____ble actions *adj.* not showing a proper sense of responsibility; not reliable
201. arm a__w *adv.* in a new or different way
202. art cr___c *n.* someone who expresses opinions about the quality of books, music, etc.
203. l_b instrument *n.* a workplace for the conduct of scientific research; a laboratory
204. g__e expression *n.* the fundamental unit of heredity and the sequence of nucleotides in DNA that codes for the creation of RNA or protein.
205. media ou___t *n.* a means of release or expression, often for emotions or energy; a place of business that sells goods directly to customers; a device or opening through which something can flow out
206. st___e hard to get *v.* to try very hard to do, achieve, or obtain something
207. the cell of the im___e system *adj.* protected against a particular disease or toxin due to the presence of specific antibodies or sensitized white blood cells
208. plant pa_____en *n.* a bacterium, virus, or other microorganism that causes disease
209. network thr_____ut *n.* the amount of material or information that can be processed by a system or organization over a given period of time
210. early-stage st_____up *n.* a newly established company or business

ANSWERS: 200. irresponsible, 201. anew, 202. critic, 203. lab, 204. gene, 205. outlet, 206. strive, 207. immune, 208. pathogen, 209. throughput, 210. start-up

211. lif_____ng device	<i>n.</i> the act or process of rescuing someone else's life, especially from drowning
212. industry-sp_____ic regulations	<i>adj.</i> clearly defined or particular to a certain thing or situation; distinct, explicit, and precise
213. a cr___l and unusual punishment	<i>adj.</i> feeling or showing pleasure in causing pain or suffering to others
214. lif_____ng efforts	<i>n.</i> the act or process of rescuing someone else's life, especially from drowning
215. e__t a video	<i>v.</i> to prepare written material for publication by correcting, condensing, or otherwise modifying it
216. st_____up business	<i>n.</i> a newly established company or business
217. mic_____pe slide	<i>n.</i> an instrument used to see objects or substances that are too small to be seen with the naked eye
218. re___t all imperfect merchandise	<i>v.</i> to refuse to accept, consider, or use something or someone
219. ex_____t a security hole	<i>v.</i> to make full use of and gain an advantage from resources, opportunities, etc.
220. ac_____e milestones	<i>v.</i> to successfully complete a task or goal, often through hard work, perseverance, and dedication; to attain or accomplish something that one has set out to do
221. a mod_____ion of last year's model	<i>n.</i> the act of changing something, usually to improve it, or something changed

ANSWERS: 211. lifesaving, 212. specific, 213. cruel, 214. lifesaving, 215. edit, 216. start-up, 217. microscope, 218. reject, 219. exploit, 220. achieve, 221. modification

222. com_____le with HTML5 *adj.* capable of coexisting or working together without conflict or inconsistency; harmonious or well-matched
223. cognitive com_____ty *n.* the state or quality of being complicated or intricate and difficult to understand
224. improve hun_____ld *adj.* a hundred times as great or as much
225. 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
226. di_____ct public opinion *v.* to draw someone's attention away from what they are trying to do
227. cr____s management *n.* a time of great disagreement, confusion, or danger when problems must be resolved or critical decisions must be taken
228. her de_____te screams *adj.* feeling or showing a lack of hope and a willingness to do anything because of the problematic situation
229. res_____le action *adj.* answerable or accountable for something within one's power, control, or management
230. play with my si_____gs *n.* a brother or sister; member of a family born to the same parents
231. ex_____ng news *adj.* causing a lot of interest or excitement
232. ad_____e a cooperative relationship *v.* to go or move forward; to develop in a positive way

ANSWERS: 222. compatible, 223. complexity, 224. hundredfold, 225. discovery, 226. distract, 227. crisis, 228. desperate, 229. responsible, 230. sibling, 231. exciting, 232. advance

233. a tour guide at the te___e *n.* a place of worship, especially one that is associated with a particular religion or faith; the flat area on either side of the forehead
234. juvenile di____es *n.* a medical condition in which the body cannot produce enough insulin to control the glucose levels in the blood
235. hu____g sound *adj.* producing a continuous, low, vibrating sound like that of the bee
236. 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
237. pre-Christian an____t *adj.* relating to the long ago, particularly the historical period preceding the fall of the Western Roman Empire; very old
238. 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
239. un__t demand *adj.* describing a need, goal, or expectation that has not been satisfied or fulfilled
240. detect a vi__l code *adj.* relating to or caused by a virus
241. execution by burning at a st__e *n.* a share or financial investment in something such as a business; a wooden or metal post set up to mark something

ANSWERS: 233. temple, 234. diabetes, 235. humming, 236. disease, 237. ancient, 238. process, 239. unmet, 240. viral, 241. stake

242. ob___n a bid *v.* to get something, especially by making a great effort
243. kitchen sc____rs *v.* (noun, usually "scissors") a cutting instrument consisting of a pair of metal blades; to cut or clip something with scissors; to move or position two things that cross each other like a pair of scissors
244. hungry pi___t *n.* a young or small pig
245. 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
246. spare co____nts for cars *n.* one of several parts that combines with others to form something bigger
247. economic to____t *n.* unbearable physical pain or extreme mental distress; (verb) to cause severe physical or mental suffering to someone, or to be the victim of such suffering
248. review a__w *adv.* in a new or different way
249. traditional me____al *adj.* of or relating to the treatment or cure of disease
250. product int____ory sale *adj.* intended as an introduction or preliminary; serving as a base or starting point
251. series of exp____nts *n.* the scientific test conducted to observe what happens and gain new knowledge

ANSWERS: 242. obtain, 243. scissor, 244. piglet, 245. platform, 246. component, 247. torment, 248. anew, 249. medicinal, 250. introductory, 251. experiment

252. a scanty ha_____t *n.* yields of plants in a single growing season; the period of the year when gathering occurs on a farm
253. exp_____nt design *n.* the scientific test conducted to observe what happens and gain new knowledge
254. bu____n of disease *n.* a duty, responsibility, etc. that is oppressive or worrisome; a load, typically a heavy one that is difficult to carry
255. en____e reaction *n.* a substance produced by a living organism that acts as a catalyst to bring about a specific biochemical reaction
256. imm_____gy research *n.* the branch of medical science that deals with the immune system of the body and its functions, including the body's response to foreign substances such as viruses and bacteria; it also involves the study of immunodeficiencies, autoimmune diseases, and immunotherapies
257. the seed of a pe____t *n.* a type of legume that grows underground and is widely cultivated and consumed as a food source
258. su____r a setback *v.* to experience pain, distress, or hardship; to undergo or endure something painful or unpleasant
259. go through hea_____ak *n.* a feeling of great sadness or disappointment
260. the Italian fr_____er with Switzerland *n.* a border that separates two countries, or the area near this line

ANSWERS: 252. harvest, 253. experiment, 254. burden, 255. enzyme, 256. immunology, 257. peanut, 258. suffer, 259. heartbreak, 260. frontier

261. pro_____on of disease *n.* the act or process of changing to the next stage or phase or moving forward
262. a hu___e cottage *adj.* having or showing a modest or low estimate of one's quality or importance
263. le_____ry actor *adj.* famous or well-known, especially through long-standing popular stories or tradition
264. tr_____te the emotion to a movement *v.* to convert or change words into another language
265. 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
266. su___r bad grades *v.* to experience pain, distress, or hardship; to undergo or endure something painful or unpleasant
267. in the Book of Ge_____s *n.* the origin or beginning of something; the first book of the biblical scriptures of both Judaism and Christianity, describing the creation of the Earth and humankind
268. pro_____on of civilization *n.* the act or process of changing to the next stage or phase or moving forward
269. a com_____ed process *adj.* involving a lot of different things or parts in a way that is difficult to understand or analyze
270. ext_____ary ability *adj.* exceptional, unexpected, very unusual; surpassing the ordinary or usual

ANSWERS: 261. progression, 262. humble, 263. legendary, 264. translate, 265. cancer, 266. suffer, 267. genesis, 268. progression, 269. complicated, 270. extraordinary

271. genetically mo___y food *v.* to change something slightly, such as a plan, option, law, etc., especially to make it more suitable for a particular purpose
272. 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
273. lack of digestive en___es *n.* a substance produced by a living organism that acts as a catalyst to bring about a specific biochemical reaction
274. hu___e opinion *adj.* having or showing a modest or low estimate of one's quality or importance
275. a sort of ma___l *n.* any animal of which the female gives birth to live young, not eggs, and feeds her young on milk from her own body
276. sp_____ic instructions *adj.* clearly defined or particular to a certain thing or situation; distinct, explicit, and precise
277. temporary me_____l treatment *adj.* relating to the treatment of illness or injuries; relating to the practice of medicine
278. transplant re_____on *n.* the act of refusing to accept, use, or consider someone or something; in medicine, an immunological response that refuses to accept substances or organisms that are recognized as foreign
279. form a nu_____s *n.* the central and most important part of something; (biology) a part of the cell containing DNA and RNA and responsible for growth and reproduction; (physics) the very dense central region of an atom

ANSWERS: 271. modify, 272. platform, 273. enzyme, 274. humble, 275. mammal, 276. specific, 277. medical, 278. rejection, 279. nucleus

280. an ou___t for water

n. a means of release or expression, often for emotions or energy; a place of business that sells goods directly to customers; a device or opening through which something can flow out

281. t__s the bottle into a trash can

v. to throw something carelessly with a light motion

282. cut_____dge design

adj. being at the forefront of a particular field or development; (noun) the latest or most advanced stage in the development of a specific type of work or activity

ANSWERS: 280. outlet, 281. toss, 282. cutting-edge

Session 3: Fill in the Blanks

1. He made a generous _____ to the charity.
n. a voluntary gift of money, service, or ideas that are given to a person or an organization, or the act of giving them
2. He worked at the _____ of behavioral economics.
n. a border that separates two countries, or the area near this line
3. The _____ of people who do not own property is politically impotent.
n. a large amount of a substance with no definite shape or form; a large number of people or things grouped or crowded together
4. The _____ properties of this herb have been known to help with various ailments.
adj. of or relating to the treatment or cure of disease
5. He visited the _____ to pray and make offerings to the gods.
n. a place of worship, especially one that is associated with a particular religion or faith; the flat area on either side of the forehead
6. This device can more accurately detect _____ pathogens.
adj. relating to or caused by a virus
7. Can you _____ 123321 by eleven?
v. to separate or cause to separate into parts or groups
8. The torturers inflicted great _____ upon the prisoners.
n. unbearable physical pain or extreme mental distress; (verb) to cause severe physical or mental suffering to someone, or to be the victim of such suffering

ANSWERS: 1. donation, 2. frontier, 3. mass, 4. medicinal, 5. temple, 6. viral, 7. divide, 8. torment

9. The _____ class was designed to give students a basic understanding of the subject.

adj. intended as an introduction or preliminary; serving as a base or starting point

10. The surgeon removed the healthy _____ from the donor.

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

11. They _____ to make their dream come true.

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

12. I will work hard to _____ my goals and realize my dreams.

v. to successfully complete a task or goal, often through hard work, perseverance, and dedication; to attain or accomplish something that one has set out to do

13. They have been living near water since _____ times.

adj. relating to the long ago, particularly the historical period preceding the fall of the Western Roman Empire; very old

14. The artist's innovative style of work _____ me.

v. to make someone interested, especially by being strange, unusual, or mysterious; to make a secret plan with other people to harm someone

15. His proposals were met with _____.

n. the act of refusing to accept, use, or consider someone or something; in medicine, an immunological response that refuses to accept substances or organisms that are recognized as foreign

16. We can hear an _____ piano melody from his room.

adj. extremely beautiful and delicate

ANSWERS: 9. introductory, 10. kidney, 11. strived, 12. achieve, 13. ancient, 14. intrigues, 15. rejection, 16. exquisite

17. 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
18. Marine _____ populations are declining worldwide due to ocean pollution.
- n.* any animal of which the female gives birth to live young, not eggs, and feeds her young on milk from her own body
19. The development team reported two _____ increases in performance.
- adj.* a hundred times as great or as much
20. We use adverbs to _____ verbs and adjectives.
- v.* to change something slightly, such as a plan, option, law, etc., especially to make it more suitable for a particular purpose
21. They had experienced the _____ of losing two children due to premature births.
- n.* a feeling of great sadness or disappointment
22. The vaccination does not necessarily make you completely _____.
- adj.* protected against a particular disease or toxin due to the presence of specific antibodies or sensitized white blood cells
23. The _____ expectations of the customers led to a decrease in sales.
- adj.* describing a need, goal, or expectation that has not been satisfied or fulfilled
24. That adventurer traveled in _____ of buried treasure.
- n.* a long or challenging search for something

ANSWERS: 17. process, 18. mammal, 19. hundredfold, 20. modify, 21. heartbreak, 22. immune, 23. unmet, 24. quest

25. 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
26. Our latest project is still at the _____ stage.
n. an animal organism in the early stages of growth, either in its mother's womb or in an egg, or a plant that is developing in a seed
27. I took a back road to work on time to _____ the traffic jam.
v. to go around, avoid, or bypass something, often to achieve an intended goal or objective; to outmaneuver or outsmart a person or obstacle
28. The _____ on the corner is hosting a free community meal tonight.
n. a building or institution dedicated to religious worship or activities; a Christian religious organization or denomination
29. He decided to start _____ and leave his old life behind.
adv. in a new or different way
30. During _____ farmers are incredibly busy.
n. yields of plants in a single growing season; the period of the year when gathering occurs on a farm
31. 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
32. Human behavior has _____ characteristics.
adj. forming an essential base or core from which everything else develops or is affected

ANSWERS: 25. decide, 26. embryo, 27. circumvent, 28. church, 29. anew, 30. harvest, 31. medical, 32. fundamental

33. Where can I _____ the application form?

- v. to get something, especially by making a great effort

34. Tourists frequently _____ the island's delicate natural balance.

- v. to interrupt someone who is trying to work, sleep, etc.

35. _____ testing is less accurate than PCR testing but easier to perform.

- n. a substance that triggers the body's immune response (= the reaction for fighting infections) for defending the body, especially by producing antibodies (= proteins that identify and attack harmful bacteria, viruses, etc.)

36. The cook _____ the leftover oxtail to make soup.

- v. to use something for a practical purpose in an effective way

37. 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

38. John Whitney was a computer animation _____.

- n. inventor; explorer; someone who is among the first to achieve something

39. The patient needs a _____ transplant operation.

- n. the act or process of rescuing someone else's life, especially from drowning

40. The patient will undergo _____ transplant surgery tomorrow.

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

41. Scientific knowledge will _____ significantly with the power of AI.

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

ANSWERS: 33. obtain, 34. disturb, 35. Antigen, 36. utilized, 37. suffers, 38. pioneer, 39. lifesaving, 40. liver, 41. advance

42. He was, by nature, a cyber _____.

n. a person who is very interested in and knowledgeable about a particular subject such as computers, mathematics, chess, etc.

43. I love the smell of _____ sizzling in the morning.

n. a type of salt-cured pork that is usually sliced and fried; a meat product that is derived from the back or sides of a pig

44. The new software is not _____ with the old operating system, causing compatibility issues and errors.

adj. capable of coexisting or working together without conflict or inconsistency; harmonious or well-matched

45. I decided to seek counseling on the advice of my _____.

n. one of a group of a coworker, especially in a profession or a business

46. I need to _____ this document before submitting it to my boss.

v. to prepare written material for publication by correcting, condensing, or otherwise modifying it

47. He is a specialist in the _____ of aging.

n. the branch of biology that studies genes, genetic variation, and heredity in organisms

48. I have no intention to _____ your privacy.

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

49. The rocket engine is used to put the satellite into _____.

n. the path of an object around a celestial body, especially a planet, star, or moon, under the influence of gravity.

ANSWERS: 42. nerd, 43. bacon, 44. compatible, 45. colleague, 46. edit, 47. genetics, 48. invade, 49. orbit

50. Please don't _____ me while I'm studying.

v. to draw someone's attention away from what they are trying to do

51. The doctor will _____ a pacemaker to regulate his heart rate.

v. to insert or fix an artificial device in a person's body; to put an idea, attitude, etc., firmly in the mind

52. He narrated the _____ story of his adventure.

adj. exceptional, unexpected, very unusual; surpassing the ordinary or usual

53. He was _____ when he lost all his money by gambling.

adj. feeling or showing a lack of hope and a willingness to do anything because of the problematic situation

54. The physician prescribed medication to relieve the contraction of the _____.

n. a hollow muscular organ in the body of a woman or other female mammal in which a baby or young animal develops before birth

55. I need to _____ my hair to even out the ends.

v. (noun, usually "scissors") a cutting instrument consisting of a pair of metal blades; to cut or clip something with scissors; to move or position two things that cross each other like a pair of scissors

56. He saw the balance between the yin and _____ as crucial for a harmonious life.

n. in Chinese philosophy, the masculine or active principle characterized as light and the sun and associated with hardness, dryness, and heat

57. The investigation _____ several government agencies and is expected to take several months.

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

ANSWERS: 50. distract, 51. implant, 52. extraordinary, 53. desperate, 54. uterus, 55. scissor, 56. yang, 57. involves

58. 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

59. The patient's condition improved after beginning a _____ treatment regimen.

- n.* a type of RNA virus that uses the enzyme reverse transcriptase to convert its RNA into DNA, which then inserts itself into the host cell's genome, which can cause a variety of diseases in humans and animals, including HIV (Human Immunodeficiency Virus)

60. Babies heavily _____ on others for food.

- v.* to require a specific thing or the assistance and support of someone or something to continue, run properly, or succeed.

61. Her response revealed _____ idiocy.

- adj.* unbelievable; enormous

62. Her beauty resulted from a good night's sleep rather than _____.

- n.* colored substances used on someone's face to improve or change their appearance

63. A defective _____ is responsible for the disease.

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

64. Our company's services are targeted at _____ executives.

- n.* a newly established company or business

ANSWERS: 58. pancreas, 59. retrovirus-targeted, 60. rely, 61. incredible, 62. makeup, 63. gene, 64. start-up

65. I used an optical _____ to observe the small organisms in the water sample.
- n.* an instrument used to see objects or substances that are too small to be seen with the naked eye
66. In _____ private corporations provide healthcare services.
- n.* the act or process of adding something to something else; the process of adding numbers
67. Advocates for legal reform hear less harsh words from their _____.
- n.* someone who expresses opinions about the quality of books, music, etc.
68. The _____ in the bathroom was faulty, so I had to use a different one for my hair dryer.
- n.* a means of release or expression, often for emotions or energy; a place of business that sells goods directly to customers; a device or opening through which something can flow out
69. The chef prepared a delicious _____ meal with roasted pork and bacon-wrapped scallops.
- adj.* relating to or resembling pigs; having similar characteristics or habits as pigs
70. An infected person in the hospital will likely pass the _____ to others.
- n.* a tiny infectious organic material that causes disease in people, animals, and plants
71. She's a _____ pet owner who ensures her dog gets enough exercise and a healthy diet.
- adj.* answerable or accountable for something within one's power, control, or management

ANSWERS: 65. microscope, 66. addition, 67. critics, 68. outlet, 69. porcine, 70. virus, 71. responsible

72. The _____ had received a mild snowfall the previous week.
n. a long depression on the surface of the land, which typically contains a river
73. The human _____ contains approximately three billion chemical base pairs.
n. the complete set or sequence of genes of a human, animal, plant, or other living things
74. The news of her promotion _____ her.
v. to make someone feel suddenly enthusiastic or eager
75. Recent advances in _____ have shown promise in the fight against cancer
n. the branch of medical science that deals with the immune system of the body and its functions, including the body's response to foreign substances such as viruses and bacteria; it also involves the study of immunodeficiencies, autoimmune diseases, and immunotherapies
76. 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
77. _____ factors like genetics and personality are key in determining our behavior.
adj. originating or arising from within an organism, system, or process rather than from external factors; pertaining to internal causes or influences
78. Most executives were _____ about future business conditions.
adj. hoping or expecting that good thing will happen or something will be successful
79. mRNA vaccines are approved faster because they do not contain inactivated _____.
n. a bacterium, virus, or other microorganism that causes disease

ANSWERS: 72. valley, 73. genome, 74. excited, 75. immunology, 76. cancer, 77. Endogenous, 78. optimistic, 79. pathogens

80. We can _____ this possibility from those consumptions.
v. to remove or get rid of someone or something
81. We elected him to _____ us at the international conference.
v. to speak, act, or be present on behalf of another person or group; to form or constitute
82. The dragon is considered a _____ of bravery.
n. something visible that is used to represent something else
83. He had an _____ shock after drinking large quantities of fruit juices.
n. a hormone produced in the pancreas that controls the amount of sugar in the blood, or a similar artificial substance used for the treatment of diabetes
84. The family decided to _____ in the mountains to enjoy the beautiful scenery.
n. a long walk or journey, especially for pleasure or exercise; an increase in cost
85. The company _____ the job candidate's application due to a lack of experience.
v. to refuse to accept, consider, or use something or someone
86. We _____ heavy snowfall tomorrow.
v. to expect or predict that something will happen; to tell in advance
87. _____ is the science of how living things work.
n. the branch of the biological sciences dealing with the functioning of organisms
88. We _____ our mining resources to strengthen our national power.
v. to make full use of and gain an advantage from resources, opportunities, etc.

ANSWERS: 80. eliminate, 81. represent, 82. symbol, 83. insulin, 84. hike, 85. rejected, 86. anticipate, 87. Physiology, 88. exploit

89. The _____ of getting the disease will drastically increase.

n. a chance that something may happen or be true

90. Education is the _____ of civilization.

n. the act or process of sending something from one person or place to another; the process of broadcasting over the airwaves, as in radio or television

91. He did _____ pen-and-ink drawings in just a few days.

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

92. Parents often _____ their characteristics to their children.

v. to send or forward an electronic signal; to pass something from one person or thing to another

93. It was _____ of him to drive home after drinking so much alcohol.

adj. not showing a proper sense of responsibility; not reliable

94. The _____ of the company is too high nowadays.

n. a share or financial investment in something such as a business; a wooden or metal post set up to mark something

95. The nobler, the more _____.

adj. having or showing a modest or low estimate of one's quality or importance

96. As a result of this _____ we have revised our safety measures.

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

97. The lump was discovered to be _____ and no further treatment was needed.

adj. kind and gentle; not harmful or malicious

ANSWERS: 89. possibility, 90. transmission, 91. complicated, 92. transmit, 93. irresponsible, 94. stake, 95. humble, 96. modification, 97. benign,

98. The _____ mother gave birth to a healthy baby for the couple who couldn't conceive independently.

adj. acting as a substitute or replacement for someone or something else; having a similar function or purpose

99. The project's _____ made it difficult for the team to complete it on time.

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

100. 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

101. Children often copy their parents or elder _____.

n. a brother or sister; member of a family born to the same parents

102. We must ____ ourselves of pollution.

v. to make someone or something free of unwanted or unpleasant tasks, objects, or person

103. My father was tested for _____.

n. a medical condition in which the body cannot produce enough insulin to control the glucose levels in the blood

104. In Chinese mythology, _____ are considered powerful and benevolent creatures.

n. a mythical monster typically depicted as a giant reptile with wings, claws, and a fiery breath often portrayed as being fierce and dangerous

105. He is like an exact _____ of his brother.

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

ANSWERS: 98. surrogate, 99. complexity, 100. platform, 101. siblings, 102. rid, 103. diabetes, 104. dragons, 105. clone

106. The researchers try to discover a common _____ in all types of successful organizations.

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

107. His _____ showed highly positive results.

n. the scientific test conducted to observe what happens and gain new knowledge

108. She made a _____ impression.

adj. producing very clear, powerful, and detailed images in the mind

109. 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

110. The findings of the experiment were both _____ and unexpected.

adj. causing a lot of interest or excitement

111. 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

112. The Prime Minister will pay a courtesy visit to the Nobel laureate's _____.

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

113. The politician's remarks became the _____ of the clash between the two countries.

n. the origin or beginning of something; the first book of the biblical scriptures of both Judaism and Christianity, describing the creation of the Earth and humankind

ANSWERS: 106. component, 107. experiments, 108. vivid, 109. genetic, 110. exciting, 111. disease, 112. lab, 113. genesis

114. That car has a low environmental _____.

n. a duty, responsibility, etc. that is oppressive or worrisome; a load, typically a heavy one that is difficult to carry

115. The _____ stories of King Arthur have been passed down for centuries.

adj. famous or well-known, especially through long-standing popular stories or tradition

116. 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

117. The dictator was known for his _____ and oppressive regime.

adj. feeling or showing pleasure in causing pain or suffering to others

118. Since the 1990s, the Internet has continued to experience _____ growth.

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

119. Regular _____ treatments are necessary for those with kidney failure.

n. a medical treatment that removes waste and excess fluids from the blood of a patient with kidney failure

120. 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

121. The company faced several _____ in the development of its new product.

n. a barrier or obstacle that must be overcome

122. The Chinese word for _____ comprises two characters, one for danger and the other for opportunity.

n. a time of great disagreement, confusion, or danger when problems must be resolved or critical decisions must be taken

ANSWERS: 114. burden, 115. legendary, 116. biology, 117. cruel, 118. exponential, 119. dialysis, 120. discovery, 121. hurdles, 122. crisis

123. The doctor carefully examined the _____ medical history.

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

124. The _____ technology was revolutionary in its field.

adj. being at the forefront of a particular field or development; (noun) the latest or most advanced stage in the development of a specific type of work or activity

125. We _____ the season's total trade deficit at \$50 billion.

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

126. The farmer found a cute newborn _____ wandering in the field.

n. a young or small pig

127. A deficiency in the _____ can lead to a medical condition.

n. a substance produced by a living organism that acts as a catalyst to bring about a specific biochemical reaction

128. 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

129. It would be best if you _____ out all those old magazines.

v. to throw something carelessly with a light motion

130. _____ the text from Italian into English.

v. to convert or change words into another language

131. She visited the local _____ to seek treatment for her persistent headache.

n. a medical doctor who practices medicine

ANSWERS: 123. patient's, 124. cutting-edge, 125. estimated, 126. piglet, 127. enzyme, 128. progression, 129. tossed, 130. Translate, 131. physician

132. The data center's _____ is impressive, allowing for quick processing of large amounts of data.
- n.* the amount of material or information that can be processed by a system or organization over a given period of time
133. The government promised to _____ a new system to control the financial crisis.
- v.* to put a decision, plan, or system into effect
134. DNA is stored in the _____ of a cell.
- n.* the central and most important part of something; (biology) a part of the cell containing DNA and RNA and responsible for growth and reproduction; (physics) the very dense central region of an atom
135. The disease is now reaching _____ proportions in our country.
- n.* the widespread outbreak of a particular disease in a large number of people at the same time
136. Unilateral import bans have _____ that country's terms of trade.
- v.* to become or make something worse
137. 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
138. The government is determined to _____ sharp inflation.
- v.* to try to deal with a complex problem or situation
139. The _____ of the bees filled the air as she walked through the garden.
- adj.* producing a continuous, low, vibrating sound like that of the bee

ANSWERS: 132. throughput, 133. implement, 134. nucleus, 135. epidemic, 136. worsened, 137. specific, 138. tackle, 139. humming

140. He tried to _____ the seedling into a larger pot.

- v.* to move or transfer something from one place or person to another; to take living tissue or an organ from one person, animal, part of the body, etc. and put it into or onto another

141. Some people have severe allergies to _____ and must avoid them completely.

- n.* a type of legume that grows underground and is widely cultivated and consumed as a food source

ANSWERS: 140. transplant, 141. peanuts