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Juan Enriquez: We can reprogram life. How to do it wisely | TED Talk

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

All Words

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Session 1: Word List

graduate

n. a person who has a first degree from university or college; (verb) to complete the first course of university or college and get a degree

synonym: alumna, alum, grad

(1) **graduate** degree program, (2) honor **graduate**

Many employers hire **graduate** trainees to train as managers.

seduce

v. to entice someone to engage in sexual behavior or to enter into a romantic relationship

synonym: tempt, lure, entice

(1) **seduce** him into crime, (2) **seduce** her mind

He tried to **seduce** her with his charm and good looks.

silicon

n. a chemical element with the symbol Si that is a hard, brittle crystalline solid with a blue-grey metallic luster and used for the transistors and integrated circuit chips in computers

(1) **silicon** wafer, (2) crystalline **silicon**

Silicon is the second most abundant element on earth after oxygen.

patent

n. a legal document that grants an inventor exclusive rights to their invention for a certain period of time; the

invention or process for which a patent has been granted

synonym : copyright, trademark, license

(1) **patent** application, (2) **patent** law

The company has filed for a **patent** to protect its new invention.

semiconductor

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

synonym : chip, wafer

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

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

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.

release

v. to set free or allow to escape from confinement

synonym : free, let go, discharge

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

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

intelligence

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

synonym : brains, brightness, cleverness

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

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

onstage

adv. onto or on a stage in a theater; in front of an audience

(1) appeared **onstage**, (2) walk **onstage**

He performed his magic trick **onstage**, leaving the audience in awe.

salesperson

n. a person whose job is to sell goods in a shop or directly to customers

synonym: dealer, seller, vendor

(1) a **salesperson** in a store, (2) a drapery **salesperson**

He received the title of the best **salesperson** in all our branches worldwide.

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.

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.

protein

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

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

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

creature

n. a living being, especially an animal

synonym: being, animal, organism

(1) **creature** of habit, (2) artificial **creature**

The deep sea **creature** was unlike anything the scientists

had ever seen before.

incredible

adj. unbelievable; enormous

synonym : unbelievable, fantastical, inconceivable

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

Her response revealed **incredible** idiocy.

breed

v. to keep animals for producing offspring in a regulated manner

synonym : raise, multiply, reproduce

(1) **breed** horses, (2) **breed** suspicion

This animal **breeds** in northern latitudes.

life-form

n. a living organism, especially one that has a distinct shape, structure, or behavior

synonym : organism, species, living organism

(1) **life-form** discovery, (2) a minute **life-form**

Scientists are searching for signs of **life-form** on other planets.

accelerate

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

synonym : speed up, quicken, rev

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

The government tried to **accelerate** the commercialization of this development.

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**.

mustard

n. a yellow or brown condiment that tastes spicy made from the seeds of various plants; (adjective) between yellow and brown

synonym : condiment, sauce, spice

(1) **mustard** leaf, (2) black **mustard** seed

He had to endure the **mustard** gas attack during the war.

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.

broccoli

n. a green vegetable with a bunch of small, tight florets on a thick stem that belongs to the cabbage family

(1) frozen **broccoli**, (2) **broccoli** sprout

He didn't like **broccoli** floret and avoided eating it.

cauliflower

n. a vegetable that belongs to the same family as broccoli and cabbage, characterized by a compact head of central florets surrounded by green leaves, commonly used in cooking and preparation of various cuisines

(1) **cauliflower** cheese, (2) **cauliflower** curry

I love to roast **cauliflower** with garlic and olive oil for a healthy side dish.

organic

adj. of or derived from biological substance; producing plants and animals for food and other items without the use of synthetic chemicals

synonym: biological

(1) **organic** soils, (2) eat **organic** food

The kidney is an **organic** component of the body.

politically

adv. in a way that relates to the government or public affairs of a nation

(1) **politically** advantageous, (2) become **politically** savvy

This newspaper is supposed to be **politically** neutral.

neutral

adj. not helping or assisting either side in a conflict, argument, etc.

synonym : impartial, uninvolved, halfhearted

(1) permanently **neutral** country, (2) **neutral** colors

A legislative speaker should always be **neutral**.

intelligent

adj. having the capacity for thought and reason, especially to a high degree

synonym : brilliant, clever, competent

(1) an **intelligent** person, (2) **intelligent** assisting system

Intelligent robots that can cooperate with humans have limited motor output for safety.

random

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

synonym : incidental, arbitrary, unanticipated

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

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

insert

v. to put something inside something else

synonym : introduce, add, embed

(1) **insert** coin, (2) **insert** a graphic

She **inserted** a new chapter into her manuscript.

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.

deliberate

adj. done with full consciousness of nature and effects rather than by accident

synonym : intentional, planned, careful

(1) the **deliberate** act of provocation, (2) **deliberate** attempt

Despite its advanced science and technology, the empire was **deliberate** about invasion.

occasionally

adv. now and then; sometimes but not often

synonym : periodically, sometimes, from time to time

(1) **occasionally** dine with friends, (2) **occasionally** change the routine

She still **occasionally** writes a short romance novel.

grant

v. to agree to give or allow somebody

synonym : allocate, authorize, give

(1) **grant** a new license, (2) **grant** a land

The chairperson **granted** him the right to speak.

norm

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

synonym : criterion, mean, standard

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

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

normally

adv. usually; under normal conditions

synonym : commonly, generally, naturally

(1) complete **normally**, (2) not **normally** drink much

I don't **normally** take a vacation in the middle of summer.

eventually

adv. finally, particularly after a long time or a lot of struggle, complications, and so on

synonym : finally, someday, ultimately

(1) **eventually** become obsolete, (2) **eventually** succeed

The corporation **eventually** dominated the entire tobacco business.

separate

v. to force, take, or pull apart; mark as different

synonym : disunite, isolate, ramify

(1) **separate** video into chapter, (2) **separate** cream from milk

We need to **separate** the aspect of his personality from the part of his competence when making an investment decision.

conception

n. a general idea or belief of what something or someone is like or should be; an understanding of a situation or a principle

synonym : notion, abstraction, cogitation

(1) a grand **conception**, (2) the **conception** of the good
I have no **conception** of what you intend.

consequence

n. the outcome of a particular action or event, especially relative to an individual

synonym : result, impact, outcome

(1) unintended **consequences**, (2) the **consequence** of an argument

These economic activities had disastrous environmental **consequences**.

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.

sculpture

n. the art of creating three-dimensional objects or forms, typically by carving, modeling, or casting in a variety of materials such as stone, wood, metal, or clay

synonym : statuary, carving, modeling

(1) create **sculpture**, (2) abstract **sculpture**

The ancient Greek **sculptures** are known for their realism and attention to detail.

assist

v. to help someone in doing anything

synonym : help, support, aid

(1) **assist** a patient, (2) **assist** his goal

Please **assist** her with the furniture relocation.

reproductive

adj. connected with the process of reproduction; relating to reproducing babies, young animals, or plants

synonym : procreative, generative

(1) **reproductive** ability, (2) during **reproductive** period

This documentary deals with the **reproductive** biology of the buffalo.

vitro

n. (used as "in vitro") a scientific experiment or procedure that takes place outside of a living organism, usually in a test tube or petri dish

synonym : glass, container, vessel

(1) in **vitro** fermentation, (2) in **vitro** diagnostics

The lab technician used in **vitro** fertilization to help the couple conceive.

fertilization

n. the process of joining a sperm and an egg to produce an embryo

synonym : impregnation, pollination, insemination

(1) **fertilization** process, (2) artificial **fertilization**

The **fertilization** of the soil allowed for a bountiful harvest.

conceive

v. to have or develop an idea, a plan, etc. in mind; to become pregnant

synonym : imagine, envision, concoct

(1) **conceive** of an idea, (2) **conceive** a child

I can't **conceive** he'd want to harm us.

fertilize

v. to cause an egg, female animal, or plant to develop by joining sperm from the male with them; to add a natural or chemical substance to land to make plants grow well

synonym : pollinate, inseminate, enrich

(1) **fertilize** the soil, (2) **fertilize** the female egg

The couple decided to use the non-husband sperm to **fertilize** a wife.

twin

n. either of two children born at the same time from the same mother

(1) a **twin-lens** camera, (2) a **twin** room

Its **twin** brothers are difficult to tell apart except for their parents.

sperm

n. the reproductive cell produced by a man or male animal
synonym: seed, semen, seminal fluid

(1) man with a low **sperm** count, (2) production of **sperm**
The male **sperm** fertilizes the female egg.

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.

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.

chemotherapy

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

synonym: anticancer treatment, radiotherapy, immunotherapy

(1) **chemotherapy** regimen, (2) **chemotherapy** side effects
Many cancer patients undergo **chemotherapy** as a treatment option.

radiation

n. the energy that comes from a nuclear reaction in the form of rays, waves, or particles and that can be hazardous to health

synonym: dissemination, emission, irradiation

(1) exposure to **radiation**, (2) electromagnetic **radiation**

He tried every possible treatment, including chemotherapy and **radiation** therapy.

irradiate

v. to expose or subject something to radiation or intense light, often for sterilization or treatment; to emit or give off rays of light or energy; to illuminate or make something clear or evident

synonym : radiate, beam, emit

(1) **irradiate** the atmosphere, (2) **irradiate** a tumor

The nuclear power plant was designed to **irradiate** the uranium rods to produce energy.

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.

decouple

v. to disconnect or separate something from something else that it was joined to or part of previously

synonym : disunite, disjoint, break up

(1) **decouple** a power supply, (2) **decouple** a space shuttle

We have to **decouple** our foreign policy from ideology.

profound

adj. extremely great; sensed or experienced very strongly; displaying a high level of knowledge or comprehension

synonym : deep, unsounded, far-reaching

(1) a **profound** book, (2) the **profound** depths of the sea

My mother's illness had a **profound** impact on us all.

superpower

n. a country or nation that has significant global influence or formidable military, economic, or technological strength; a supernatural ability or force capable of extraordinary feats or feats beyond normal human capabilities

synonym : great power, empire, hegemony

(1) **superpower** country, (2) **superpower** leader

The ability to fly like a bird is often considered a **superpower** in comic books and movies.

incredibly

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

synonym: enormously, exceptionally, extraordinarily

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

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

evolve

v. to develop gradually, or to cause the development of something or someone gradually

synonym: develop, mature, grow

(1) **evolve**, (2) **evolve** over the past decade

Eyeless fish **evolved** in dark caves.

electrify

v. to make a machine or system work by using electricity; to make someone extremely enthusiastic about or interested in something

synonym: wire, amaze, astonish

(1) **electrify** the audience, (2) **electrify** a manufacturing process

The product developed through years of research continues to **electrify** the market.

automobile

n. a road vehicle that has four wheels and is powered by an engine, used for transporting people or goods

synonym: car, vehicle, motorcar

(1) driverless **automobile**, (2) **automobile** insurance

The **automobile** industry is a major contributor to air pollution in cities.

misuse

n. the act of using something in an unsuitable way or for the wrong purpose

synonym: abuse, misemployment, mishandling

(1) the **misuse** of company money, (2) protect the database from **misuse**

Drug **misuse** is associated with mental health disorders.

scare

v. to frighten a person or animal, or to become frightened
synonym: frighten, spook, intimidate

(1) **scare** off her attacker by screaming, (2) **scare** the birds away

We hit the ground to **scare** out the rabbits.

chimera

n. (in Greek mythology) a fire-breathing creature with a lion's head, a goat's body, and a snake's tail; a thing that is illusory or impossible to achieve

synonym: delusion, illusion, figment

(1) **chimera** mouse, (2) interspecies **chimera**

Animal **chimeras** are created by combining multiple fertilized eggs.

myth

n. an ancient story or set of stories accepted as history, especially explaining the worldview of a people

synonym: fable, legend, lore

(1) the **myth** of an old religion, (2) perpetuate a **myth**

With the financial bubble bursting, the **myth** of economic growth in investment banking collapsed.

vice

n. wrongdoing or wicked behavior; (in the form of vice versa) with the order reversed; (as a prefix) someone with a job immediately below a particular person

synonym: corruption, depravity, evil

(1) virtue and **vice**, (2) **vice-chair** of the committee

Cats hate dogs and **vice** versa.

absolutely

adv. without restriction or limitation; completely or utterly

synonym: completely, utterly, definitely

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

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

horrible

adj. extremely unpleasant or bad; causing fear or disgust
synonym : dreadful, terrible, awful

(1) **horrible** accident, (2) **horrible** smell

The experience was **horrible** and left a lasting impression.

substitute

n. a person or thing acting or serving instead of another one; (verb) to act as a something or someone instead of another one

synonym : alternate, replacement, reserve

(1) **substitute** coffee, (2) **substitute** teacher

I **substitute** skim milk for regular milk because we are on a strict diet.

marrow

n. a soft, fatty, vascular substance in the cavities of bones, in which blood cells are produced; the choicest or most essential part of some idea or experience

synonym : bone marrow, pith, center

(1) the **marrow** of a speech, (2) vegetable **marrow**

The soup was made with bone **marrow**, giving it a rich and savory flavor.

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.

aspect

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

synonym : characteristic, element, factor

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

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

varsity

n. a team representing a college or university in sports, typically composed of the best players

synonym: team, squad, first-string

(1) a **varsity** player, (2) **varsity** sport

Jane made the **varsity** team and was thrilled to compete at the highest level.

graduated

adj. having received a degree from a school, college, or university; marked with or divided into levels or degrees

synonym: completed, finished, earned

(1) **graduated** taxation, (2) **graduated** flask

She was a **graduated** student of a prestigious university.

valedictorian

n. the student who delivers the farewell address at a graduation ceremony, typically the student with the highest academic ranking in their class

synonym: top student, highest achiever, salutatorian

(1) **valedictorian** speech, (2) high school **valedictorian**

He achieved the honor of being the **valedictorian** of his graduating class.

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.

mitochondria

n. (singular: mitochondrion) an organelle (= a specialized part of a cell) found in large numbers in most cells that produce energy for the cell by breaking down food

(1) a membrane of a **mitochondria**, (2) healthy

mitochondria

Mitochondria DNA is used to trace human lineage and migration footprints.

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.

inherit

v. to receive money, property, or a title from someone after they have died

synonym: obtain, gain, acquire

(1) **inherit** estate, (2) **inherit** ancestral property

After his death, his sons **inherited** his business.

swap

v. to give something and receive something in trade

synonym: exchange, switch, trade

(1) **swap** seats, (2) **swap** columns with rows

Don't **swap** horses while crossing a stream.

germ

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

synonym: bacterium, microbe, pathogen

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

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

engineer

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

synonym: architect, creator, builder

(1) a civil **engineer**, (2) **engineer** shortage

The **engineer** will repair my telephone tomorrow morning.

grandchild

n. a child of someone's son or daughter

synonym: offspring, descendant, progeny

(1) **grandchild-grandparent** relationship, (2) **grandchild** development

The grandparents take care of their **grandchild** while the

parents are at work.

nervous

adj. worried and anxious about something; relating to the nerves

synonym : neural, anxious, uneasy

(1) development of the **nervous** system, (2) get **nervous**

He suffers from **nervous** breakdowns.

massive

adj. enormous amount; very heavy and solid

synonym : enormous, giant, immense

(1) **massive** amounts, (2) **massive** stars

The recent economic downturn has resulted in **massive** layoffs.

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.

polio

n. an acute infectious disease caused by a virus that attacks nerve cells in the spinal cord and brain, leading to paralysis, muscle weakness, and potentially lifelong disability

synonym : poliomyelitis, infantile paralysis

(1) **polio** epidemic, (2) **polio** eradication

The **polio** vaccine development is regarded as one of the greatest medical achievements of the 20th century.

smallpox

n. a highly contagious viral disease characterized by fever, weakness, spots on the skin, and often death

synonym : variola

(1) **smallpox** epidemic, (2) **smallpox** vaccine

An outbreak of **smallpox** occurred in the 1920s.

tuberculosis

n. an infectious disease usually caused by tubercle bacteria that can attack many parts of a person's body, especially their lungs

(1) died of **tuberculosis**, (2) a medicine for **tuberculosis**
Tuberculosis used to be considered a fatal disease.

vaccine

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

synonym : vaccinum

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

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

outweigh

v. to be heavier, more significant, or more critical than something

synonym : dominate, outrank, overpower

(1) **outweigh** the benefit, (2) **outweigh** our wishes

The advantages would undoubtedly **outweigh** the disadvantages.

terribly

adv. very badly; to a great extent or very much

synonym : awfully, abominably, badly

(1) suffer **terribly**, (2) I am **terribly** sorry

His arm was swollen and **terribly** red.

bother

v. to disturb, annoy, or cause inconvenience or worry to someone; to take the trouble or effort to do something

synonym : annoy, pester, irritate

(1) **bother** the neighbors, (2) **bother** with details

Please don't **bother** me while I'm trying to concentrate.

din

n. a loud, confused noise; a loud, persistent racket

synonym : noise, racket, clamor

(1) **din** of traffic, (2) mighty **din**

The **din** of the city was overwhelming.

flip

v. to turn over into a different position quickly; to throw or toss with a light motion

synonym: throw, jump

(1) **flip** over the pork chop, (2) **flip** a coin

He **flipped** when he heard that he had been accepted into the university.

planet

n. any of the nine large celestial bodies that circle in the solar system; any celestial body that revolves around a star

synonym: earth, world, globe

(1) **planet** like the Earth, (2) save the **planet**

Mercury is the closest **planet** to the sun.

principle

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

synonym: rule, creed, code

(1) **principle** of treatment, (2) **principle** in business

Efficiency isn't an essential **principle** here; fairness is.

mutation

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

synonym: metamorphosis, transformation, alteration

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

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

structure

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

synonym: construction, architecture, establishment

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

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

parallel

adj. being everywhere equidistant and not intersecting; of or relating to the simultaneous performance of multiple operations

synonym : aligned, side-by-side, similar

(1) a **parallel** case, (2) **parallel** processing

He walked a road **parallel** to the railroad.

evolutionary

adj. relating to or denoting how living things develop or change from earlier forms

synonym : developmental, mutative, transformative

(1) ecology and **evolutionary** biology, (2) the **evolutionary** process

Evolutionary algorithms can find ways to optimize that humans do not anticipate.

avenue

n. a wide road in a town or city, especially with trees or tall buildings on both sides; a line of approach

synonym : artery, roadway, street

(1) an **avenue** of poplars, (2) an **avenue** to success

They explored every **avenue** they could think of.

loose

adj. not securely fixed or fastened in place or able to be detached or separated from something

synonym : relaxed, unconsolidated, open

(1) a **loose** tongue, (2) remove **loose** hair

The inspector discovered **loose** bolts under the fuel rods.

plain

adj. without being decorated in any way; (Noun) a vast expanse of flat land with few trees

synonym : basic, straight, bare

(1) **plain** answer, (2) delta **plain**

The lowest lowland region is mostly flat **plain**.

scenario

n. a description of possible actions or events in the future; a written outline of a play, film, or literary work

synonym : plan, scheme, procedure

(1) the worst case **scenario**, (2) number of different

scenarios

The president prepared several possible **scenarios** for an enemy attack.

virgin

n. a person who has never had sex; (adjective) being used or worked for the first time

synonym: virtuous, vestal, beginner

(1) **virgin** material, (2) enter **virgin** territory

Within a few years, no **virgin** forests will remain.

orderly

adj. clean or organized in a neat, careful and logical way

synonym: tidy, tidied, neat

(1) **orderly** and fair market, (2) **orderly** manner

The elections were handled in a timely and **orderly** manner.

row

n. an arrangement of objects or people side by side in a line; (verb) to propel a boat through the water using oars

synonym: line, sequence, layer

(1) criminal on death **row**, (2) a **row** of cherry trees

He was the leader of the demonstrators and spoke out against the war in the front **row**.

wheat

n. a cereal plant that is the most important kind grown in temperate countries, the grain of which is ground to make flour for bread, pasta, pastry, etc

synonym: grain, cereal

(1) harvesting **wheat**, (2) **wheat** crop

The farmer grew **wheat** on his land.

suburb

n. an outlying district or residential area of a city or town, typically comprising middle-class and affluent neighborhoods

synonym: outskirts, district, quarter

(1) **suburb** development, (2) **suburb** life

He grew up in the **suburbs** but always dreamed of living in the city.

grizzly

n. a large North American bear species, often with greyish or brownish fur; a person who has streaks of grey or white hair

synonym : bear, ursus, bruin

(1) **grizzly** size, (2) **grizzly** encounter

The hiker stumbled upon a **grizzly** bear in the woods and quickly retreated.

downtown

adv. in or towards the central area of a town or city

synonym : central, city-center, urban

(1) **downtown** building, (2) **downtown** traffic

He decided to take a walk **downtown** area to explore the city.

octopus

n. a sea creature with a soft round body and eight long tentacles (= long parts like arms)

synonym : devilfish

(1) giant **octopus**, (2) venomous **octopus**

He experienced nausea after eating live **octopus**.

nickname

n. a familiar or humorous name given to a person or thing instead of or as well as the real name

synonym : moniker, sobriquet, handle

(1) endearing **nickname**, (2) **nickname** for a person

The team has a **nickname** for their star player: "The Ace."

relief

n. a feeling of happiness and relaxation that comes when something burdensome is removed or reduced

synonym : remedy, consolation, alleviation

(1) tax **relief**, (2) sigh of **relief**

He devoted his life to establishing a humanitarian **relief** fund.

pitcher

n. a container with a spout used for pouring liquids, particularly used for serving drinks such as water or juice; a player in baseball who pitches the ball toward the batter

synonym : jug, carafe, decanter

(1) baseball **pitcher**, (2) water **pitcher**

When we ordered iced tea, the waiter brought us a **pitcher** full of the beverage.

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.

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.

instrument

n. an object used to make musical sounds, such as a piano, guitar, or drum; a tool or device used for a specific activity, particularly in specialist or scientific work

synonym: apparatus, tool, device

(1) musical **instruments**, (2) surgical **instruments**

This electronic **instrument** is required to undergo periodic inspections to ensure precision.

pharmaceutical

adj. relating to the production and selling of the medical drugs

synonym: drug, medication, prescription

(1) major **pharmaceutical** companies, (2) commercial **pharmaceutical** products

She gave money to help set up a **pharmaceutical** laboratory.

arthritis

n. inflammation of one or more joints of the body, which include pain and stiffness

(1) medication for **arthritis**, (2) symptoms of **arthritis**

My rheumatoid **arthritis** is acting up again.

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.

verdict

n. an official opinion or decision made in a civil or criminal case or an inquest (= an inquiry into the cause of an unexpected death); the findings of a jury on issues of fact submitted to it for decision

synonym : judgment, ruling, decree

(1) the popular **verdict**, (2) jury **verdict**

The Court of Appeals upheld the **verdict**.

pottery

n. ceramic ware made from clay and baked in a kiln; the art or process of making objects from clay by shaping it and then firing it in a kiln or oven

synonym : ceramics, earthenware, clayware

(1) antique **pottery**, (2) **pottery** studio

She took a **pottery** class and learned how to make vases and bowls.

barn

n. a large farm building used for storage of crops or housing livestock

synonym : shed, outbuilding, granary

(1) **barn** building, (2) a **barn** for cows

The old **barn** on the farm was used to store hay and other equipment.

recognize

v. to acknowledge or realize something or someone; to identify, remember, or become aware of something that was previously known or encountered

synonym : acknowledge, identify, admit

(1) **recognize** talent, (2) **recognize** achievement

It's important to **recognize** your strengths and weaknesses.

celebrate

v. to acknowledge a memorable or good day or event with a social gathering or enjoyable activity

synonym : praise, glorify, honor

(1) **celebrate** his election, (2) **celebrate** Christmas

He **celebrated** the 10th anniversary of his tenure.

diversity

n. the quality or fact of many different types of things or people being included in something; a range of different things or people

synonym : variety, multiplicity, variousness

(1) the **diversity** policy of the university, (2) lingual **diversity**

He was impressed by the range and **diversity** of the collection.

hominid

n. a primate of a family (Hominidae) that includes humans and their fossil ancestors

synonym : human, primate, ancestor

(1) large-toothed **hominid**, (2) **hominid** evolution

Scientists have discovered new fossil evidence of an ancient **hominid** species.

extinct

adj. no longer in existence

synonym : dead, obsolete, abolished

(1) **extinct** by human activity, (2) long- **extinct** volcano

Many species have become **extinct** due to habitat destruction and other human activities.

diverse

adj. including numerous categories of individuals or entities; various

synonym : manifold, various, myriad

(1) **diverse** backgrounds, (2) a person of **diverse** talents

New York is a city with a **diverse** ethnic population.

extinction

n. the complete disappearance of a species from the earth

synonym : disappearance, eradication, annihilation

(1) **extinction** prevention, (2) brink of **extinction**

The **extinction** of the dinosaurs is thought to have been caused by an asteroid impact.

descend

v. to move downward and lower; to come from, or to be connected by a relationship of blood

synonym: dip, drop, come down

(1) **descend** a steep hill, (2) **descend** by elevator

She was **descended** from an old Italian noble family.

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.

chimpanzee

n. a small, very intelligent ape found in west and central Africa with black or brown fur

synonym: ape, chimp, pan troglodytes

(1) **chimpanzee** behavior, (2) **chimpanzee** society

Many zoos have **chimpanzee** exhibits, allowing visitors to observe these intelligent primates up close.

quarter

n. one of four equal parts; a fourth part or portion

synonym: fourth, one-fourth

(1) a **quarter** mile, (2) end of the first **quarter**

The unemployment rate in the first **quarter** was 2.3 percentage points higher than in the previous.

contiguous

adj. sharing a common boundary; touching; adjacent

synonym: adjacent, neighboring, touching

(1) **contiguous** territory, (2) **contiguous** numbers

The **contiguous** states are connected by land.

decision

n. the act or process of making up someone's mind about something; a choice or judgment reached after

considering options

synonym: choice, determination, judgment

(1) **decision** authority, (2) a selfish **decision**

She was struggling to make a **decision** between two job offers.

overwhelm

v. to defeat someone or something by using a great deal of force; to have a strong emotional effect on somebody

synonym: conquer, crush, dominate

(1) he was **overwhelmed** with gratitude, (2) **overwhelm** opponents by numbers

Too much variety may **overwhelm** and confuse viewers.

evolution

n. a gradual process of transformation of living things

synonym: elaboration, expansion, transition

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

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

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.

adventure

n. a journey or a series of events that is unusual, exciting, or dangerous

synonym: experience, happening, incident

(1) gastronomic **adventures**, (2) **adventure** film

He sailed the Atlantic Ocean multiple times during his **adventures**.

participate

v. to take part in something

synonym: take part, partake, enter

(1) **participate** fully in conversation, (2) **participate** in the program

The majority of students actively **participated** in the college's

intramural sports program.

scared

adj. afraid or frightened

synonym : frightened, fearful, dreading

(1) **scared** all the time, (2) **scared** dog
I'm **scared** of insects.

ethics

n. a branch of philosophy that considers what is morally right and wrong conduct; a set of beliefs about what is morally right and wrong

synonym : morals, principles, moralities

(1) political **ethics**, (2) **ethics** of journalism

This scripture provides the code of **ethics** for the religion.

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.

industrious

adj. hardworking, diligent, and persistent in effort

synonym : diligent, hardworking, assiduous

(1) **industrious** worker, (2) **industrious** student

He was known to be very **industrious** and would often work late into the night.

Session 2: Spelling

1. ecology and evo_____ary biology *adj.* relating to or denoting how living things develop or change from earlier forms
2. a selfish de_____on *n.* the act or process of making up someone's mind about something; a choice or judgment reached after considering options
3. ex_____ng football player *adj.* causing a lot of interest or excitement
4. development of the ne_____s system *adj.* worried and anxious about something; relating to the nerves
5. unintended con_____ces *n.* the outcome of a particular action or event, especially relative to an individual
6. gra_____ld development *n.* a child of someone's son or daughter
7. ho_____d evolution *n.* a primate of a family (Hominidae) that includes humans and their fossil ancestors
8. jury ve_____t *n.* an official opinion or decision made in a civil or criminal case or an inquest (= an inquiry into the cause of an unexpected death); the findings of a jury on issues of fact submitted to it for decision
9. su_____b life *n.* an outlying district or residential area of a city or town, typically comprising middle-class and affluent neighborhoods
10. ca_____r diagnosis *n.* abnormal growth of cells that can invade and destroy surrounding tissues and organs; a disease characterized by the uncontrolled growth and spread of abnormal cells

ANSWERS: 1. evolutionary, 2. decision, 3. exciting, 4. nervous, 5. consequence, 6. grandchild, 7. hominid, 8. verdict, 9. suburb, 10. cancer

11. the pr____nd depths of the sea *adj.* extremely great; sensed or experienced very strongly; displaying a high level of knowledge or comprehension
12. eve_____ly succeed *adv.* finally, particularly after a long time or a lot of struggle, complications, and so on
13. s__p columns with rows *v.* to give something and receive something in trade
14. b__n building *n.* a large farm building used for storage of crops or housing livestock
15. pl____t like the Earth *n.* any of the nine large celestial bodies that circle in the solar system; any celestial body that revolves around a star
16. de_____d a steep hill *v.* to move downward and lower; to come from, or to be connected by a relationship of blood
17. se_____te video into chapter *v.* to force, take, or pull apart; mark as different
18. a minute li_____rm *n.* a living organism, especially one that has a distinct shape, structure, or behavior
19. 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
20. di_____e control *n.* a disorder or illness that affects the body or mind, often characterized by specific symptoms or abnormal functioning of organs or systems

ANSWERS: 11. profound, 12. eventually, 13. swap, 14. barn, 15. planet, 16. descend, 17. separate, 18. life-form, 19. modify, 20. disease

21. an int_____nt person *adj.* having the capacity for thought and reason, especially to a high degree
22. 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
23. a medicine for tub_____sis *n.* an infectious disease usually caused by tubercle bacteria that can attack many parts of a person's body, especially their lungs
24. 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
25. ce_____te his election *v.* to acknowledge a memorable or good day or event with a social gathering or enjoyable activity
26. fe_____ze the soil *v.* to cause an egg, female animal, or plant to develop by joining sperm from the male with them; to add a natural or chemical substance to land to make plants grow well
27. ne_____l colors *adj.* not helping or assisting either side in a conflict, argument, etc.
28. ou_____gh the benefit *v.* to be heavier, more significant, or more critical than something
29. enter vi____n territory *n.* a person who has never had sex; (adjective) being used or worked for the first time

ANSWERS: 21. intelligent, 22. disease, 23. tuberculosis, 24. cancer, 25. celebrate, 26. fertilize, 27. neutral, 28. outweigh, 29. virgin

30. ch____a mouse *n.* (in Greek mythology) a fire-breathing creature with a lion's head, a goat's body, and a snake's tail; a thing that is illusory or impossible to achieve
31. con_____us territory *adj.* sharing a common boundary; touching; adjacent
32. artificial cr____re *n.* a living being, especially an animal
33. pol_____ly advantageous *adv.* in a way that relates to the government or public affairs of a nation
34. crystalline si____n *n.* a chemical element with the symbol Si that is a hard, brittle crystalline solid with a blue-grey metallic luster and used for the transistors and integrated circuit chips in computers
35. lingual di_____ty *n.* the quality or fact of many different types of things or people being included in something; a range of different things or people
36. sm____ox epidemic *n.* a highly contagious viral disease characterized by fever, weakness, spots on the skin, and often death
37. st_____re and function of the brain *n.* the way of construction of something and the arrangement of its parts, or a complex thing constructed of many parts
38. the mi___e of company money *n.* the act of using something in an unsuitable way or for the wrong purpose
39. 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: 30. chimera, 31. contiguous, 32. creature, 33. politically, 34. silicon, 35. diversity, 36. smallpox, 37. structure, 38. misuse, 39. retrovirus

40. sem_____tor device *n.* a material or substance that can conduct electricity under certain conditions but not others, often used in electronic devices
41. man with a low sp__m count *n.* the reproductive cell produced by a man or male animal
42. antibiotic-resistant g__m *n.* a very tiny living that causes the disease; a piece of something such as an organism, concept, etc., capable of growing into a new one or part of one
43. po__o eradication *n.* an acute infectious disease caused by a virus that attacks nerve cells in the spinal cord and brain, leading to paralysis, muscle weakness, and potentially lifelong disability
44. 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
45. pa____t law *n.* a legal document that grants an inventor exclusive rights to their invention for a certain period of time; the invention or process for which a patent has been granted
46. ev___e over the past decade *v.* to develop gradually, or to cause the development of something or someone gradually
47. surgical ins_____nts *n.* an object used to make musical sounds, such as a piano, guitar, or drum; a tool or device used for a specific activity, particularly in specialist or scientific work

ANSWERS: 40. semiconductor, 41. sperm, 42. germ, 43. polio, 44. patient, 45. patent, 46. evolve, 47. instrument

48. si_____n wafer *n.* a chemical element with the symbol Si that is a hard, brittle crystalline solid with a blue-grey metallic luster and used for the transistors and integrated circuit chips in computers
49. in___t coin *v.* to put something inside something else
50. fer_____ion process *n.* the process of joining a sperm and an egg to produce an embryo
51. an oral va_____e *n.* a substance that is put into the body and protects them from disease by causing them to produce antibodies (= proteins that attack harmful bacteria, viruses, etc.)
52. the ma___w of a speech *n.* a soft, fatty, vascular substance in the cavities of bones, in which blood cells are produced; the choicest or most essential part of some idea or experience
53. a worldwide ep_____ic *n.* the widespread outbreak of a particular disease in a large number of people at the same time
54. va___y bottom *n.* a long depression on the surface of the land, which typically contains a river
55. occ_____lly dine with friends *adv.* now and then; sometimes but not often
56. have ge_____c testing *adj.* of or relating to genes (= parts of the DNA in cells) or the science of genes
57. ni_____me for a person *n.* a familiar or humorous name given to a person or thing instead of or as well as the real name

ANSWERS: 48. silicon, 49. insert, 50. fertilization, 51. vaccine, 52. marrow, 53. epidemic, 54. valley, 55. occasionally, 56. genetic, 57. nickname

58. pa_____el processing *adj.* being everywhere equidistant and not intersecting; of or relating to the simultaneous performance of multiple operations
59. f__p over the pork chop *v.* to turn over into a different position quickly; to throw or toss with a light motion
60. sup_____er country *n.* a country or nation that has significant global influence or formidable military, economic, or technological strength; a supernatural ability or force capable of extraordinary feats or feats beyond normal human capabilities
61. musical ins_____nts *n.* an object used to make musical sounds, such as a piano, guitar, or drum; a tool or device used for a specific activity, particularly in specialist or scientific work
62. re_____ze talent *v.* to acknowledge or realize something or someone; to identify, remember, or become aware of something that was previously known or encountered
63. gr_____y encounter *n.* a large North American bear species, often with greyish or brownish fur; a person who has streaks of grey or white hair
64. cau_____er cheese *n.* a vegetable that belongs to the same family as broccoli and cabbage, characterized by a compact head of central florets surrounded by green leaves, commonly used in cooking and preparation of various cuisines

ANSWERS: 58. parallel, 59. flip, 60. superpower, 61. instrument, 62. recognize, 63. grizzly, 64. cauliflower

65. stress pr_____n *n.* a molecule made up of a long chain of amino acids, which is essential for the structure and function of the body's tissues
66. ir_____te a tumor *v.* to expose or subject something to radiation or intense light, often for sterilization or treatment; to emit or give off rays of light or energy; to illuminate or make something clear or evident
67. commercial pha_____cal products *adj.* relating to the production and selling of the medical drugs
68. sc____d all the time *adj.* afraid or frightened
69. sup_____er leader *n.* a country or nation that has significant global influence or formidable military, economic, or technological strength; a supernatural ability or force capable of extraordinary feats or feats beyond normal human capabilities
70. health ep_____ic *n.* the widespread outbreak of a particular disease in a large number of people at the same time
71. exposure to ra_____on *n.* the energy that comes from a nuclear reaction in the form of rays, waves, or particles and that can be hazardous to health
72. create sc_____re *n.* the art of creating three-dimensional objects or forms, typically by carving, modeling, or casting in a variety of materials such as stone, wood, metal, or clay

ANSWERS: 65. protein, 66. irradiate, 67. pharmaceutical, 68. scared, 69. superpower, 70. epidemic, 71. radiation, 72. sculpture

73. giant oc____s *n.* a sea creature with a soft round body and eight long tentacles (= long parts like arms)
74. bo____r with details *v.* to disturb, annoy, or cause inconvenience or worry to someone; to take the trouble or effort to do something
75. se____te cream from milk *v.* to force, take, or pull apart; mark as different
76. de____le a space shuttle *v.* to disconnect or separate something from something else that it was joined to or part of previously
77. br__d horses *v.* to keep animals for producing offspring in a regulated manner
78. a ge____c disorder *adj.* of or relating to genes (= parts of the DNA in cells) or the science of genes
79. su____b development *n.* an outlying district or residential area of a city or town, typically comprising middle-class and affluent neighborhoods
80. industry-sp____ic regulations *adj.* clearly defined or particular to a certain thing or situation; distinct, explicit, and precise
81. as____t a patient *v.* to help someone in doing anything
82. su____te pregnancy *adj.* acting as a substitute or replacement for someone or something else; having a similar function or purpose
83. sub____te teacher *n.* a person or thing acting or serving instead of another one; (verb) to act as a something or someone instead of another one

ANSWERS: 73. octopus, 74. bother, 75. separate, 76. decouple, 77. breed, 78. genetic, 79. suburb, 80. specific, 81. assist, 82. surrogate, 83. substitute

84. died of tub_____sis *n.* an infectious disease usually caused by tubercle bacteria that can attack many parts of a person's body, especially their lungs
85. a qu_____r mile *n.* one of four equal parts; a fourth part or portion
86. va_____y sport *n.* a team representing a college or university in sports, typically composed of the best players
87. de_____le a power supply *v.* to disconnect or separate something from something else that it was joined to or part of previously
88. fe_____ze the female egg *v.* to cause an egg, female animal, or plant to develop by joining sperm from the male with them; to add a natural or chemical substance to land to make plants grow well
89. se____e him into crime *v.* to entice someone to engage in sexual behavior or to enter into a romantic relationship
90. criminal on death r_w *n.* an arrangement of objects or people side by side in a line; (verb) to propel a boat through the water using oars
91. ad_____re film *n.* a journey or a series of events that is unusual, exciting, or dangerous
92. in_____t ancestral property *v.* to receive money, property, or a title from someone after they have died
93. the popular ve_____t *n.* an official opinion or decision made in a civil or criminal case or an inquest (= an inquiry into the cause of an unexpected death); the findings of a jury on issues of fact submitted to it for decision

ANSWERS: 84. tuberculosis, 85. quarter, 86. varsity, 87. decouple, 88. fertilize, 89. seduce, 90. row, 91. adventure, 92. inherit, 93. verdict

94. a r_w of cherry trees *n.* an arrangement of objects or people side by side in a line; (verb) to propel a boat through the water using oars
95. del_____te attempt *adj.* done with full consciousness of nature and effects rather than by accident
96. gr_____ed flask *adj.* having received a degree from a school, college, or university; marked with or divided into levels or degrees
97. baseball pi_____r *n.* a container with a spout used for pouring liquids, particularly used for serving drinks such as water or juice; a player in baseball who pitches the ball toward the batter
98. di_____e backgrounds *adj.* including numerous categories of individuals or entities; various
99. a sal_____on in a store *n.* a person whose job is to sell goods in a shop or directly to customers
100. frozen br_____li *n.* a green vegetable with a bunch of small, tight florets on a thick stem that belongs to the cabbage family
101. electromagnetic ra_____on *n.* the energy that comes from a nuclear reaction in the form of rays, waves, or particles and that can be hazardous to health
102. the con_____on of the good *n.* a general idea or belief of what something or someone is like or should be; an understanding of a situation or a principle
103. ex_____ng news *adj.* causing a lot of interest or excitement

ANSWERS: 94. row, 95. deliberate, 96. graduated, 97. pitcher, 98. diverse, 99. salesperson, 100. broccoli, 101. radiation, 102. conception, 103. exciting

104. en____er shortage *n.* a person whose job is designing, building, or maintaining something such as machines, structures, or software
105. gr__t a new license *v.* to agree to give or allow somebody
106. fun_____al rights *adj.* forming an essential base or core from which everything else develops or is affected
107. high school val_____ian *n.* the student who delivers the farewell address at a graduation ceremony, typically the student with the highest academic ranking in their class
108. mighty d_n *n.* a loud, confused noise; a loud, persistent racket
109. f__p a coin *v.* to turn over into a different position quickly; to throw or toss with a light motion
110. inc_____le amount *adj.* unbelievable; enormous
111. a pr_____nd book *adj.* extremely great; sensed or experienced very strongly; displaying a high level of knowledge or comprehension
112. pl__n answer *adj.* without being decorated in any way; (Noun) a vast expanse of flat land with few trees
113. de_____on authority *n.* the act or process of making up someone's mind about something; a choice or judgment reached after considering options
114. sub_____te coffee *n.* a person or thing acting or serving instead of another one; (verb) to act as a something or someone instead of another one

ANSWERS: 104. engineer, 105. grant, 106. fundamental, 107. valedictorian, 108. din, 109. flip, 110. incredible, 111. profound, 112. plain, 113. decision, 114. substitute

115. gr_____ed taxation *adj.* having received a degree from a school, college, or university; marked with or divided into levels or degrees
116. ind_____us worker *adj.* hardworking, diligent, and persistent in effort
117. ou_____gh our wishes *v.* to be heavier, more significant, or more critical than something
118. cau_____er curry *n.* a vegetable that belongs to the same family as broccoli and cabbage, characterized by a compact head of central florets surrounded by green leaves, commonly used in cooking and preparation of various cuisines
119. human ev_____on *n.* a gradual process of transformation of living things
120. get inc_____ly insecure *adv.* in a way that is very difficult to believe; exceedingly or extremely
121. po_____y studio *n.* ceramic ware made from clay and baked in a kiln; the art or process of making objects from clay by shaping it and then firing it in a kiln or oven
122. bombs fell at ra_____m *adj.* made, done, or happening without method, conscious decision, or any regular pattern
123. ext_____on prevention *n.* the complete disappearance of a species from the earth
124. healthy mit_____ria *n.* (singular: mitochondrion) an organelle (= a specialized part of a cell) found in large numbers in most cells that produce energy for the cell by breaking down food

ANSWERS: 115. graduated, 116. industrious, 117. outweigh, 118. cauliflower, 119. evolution, 120. incredibly, 121. pottery, 122. random, 123. extinction, 124. mitochondria

125. as___t his goal *v.* to help someone in doing anything
126. political et___s *n.* a branch of philosophy that considers what is morally right and wrong conduct; a set of beliefs about what is morally right and wrong
127. po__o epidemic *n.* an acute infectious disease caused by a virus that attacks nerve cells in the spinal cord and brain, leading to paralysis, muscle weakness, and potentially lifelong disability
128. gastronomic ad_____res *n.* a journey or a series of events that is unusual, exciting, or dangerous
129. 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
130. vegetable ma___w *n.* a soft, fatty, vascular substance in the cavities of bones, in which blood cells are produced; the choicest or most essential part of some idea or experience
131. et___s of journalism *n.* a branch of philosophy that considers what is morally right and wrong conduct; a set of beliefs about what is morally right and wrong
132. an av___e of poplars *n.* a wide road in a town or city, especially with trees or tall buildings on both sides; a line of approach
133. pr_____le of treatment *n.* a fundamental law or truth that explains or controls how something happens or works

ANSWERS: 125. assist, 126. ethics, 127. polio, 128. adventure, 129. modify, 130. marrow, 131. ethics, 132. avenue, 133. principle

134. br____li sprout *n.* a green vegetable with a bunch of small, tight florets on a thick stem that belongs to the cabbage family
135. se___e her mind *v.* to entice someone to engage in sexual behavior or to enter into a romantic relationship
136. in vi__o diagnostics *n.* (used as "in vitro") a scientific experiment or procedure that takes place outside of a living organism, usually in a test tube or petri dish
137. an av___e to success *n.* a wide road in a town or city, especially with trees or tall buildings on both sides; a line of approach
138. nontechnical as___ts of the job *n.* one part or feature of a situation, problem, subject, etc.
139. the evo_____ary process *adj.* relating to or denoting how living things develop or change from earlier forms
140. do_____wn traffic *adv.* in or towards the central area of a town or city
141. appeared on_____e *adv.* onto or on a stage in a theater; in front of an audience
142. 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.
143. ev___e *v.* to develop gradually, or to cause the development of something or someone gradually
144. a ra___m choice *adj.* made, done, or happening without method, conscious decision, or any regular pattern

ANSWERS: 134. broccoli, 135. seduce, 136. vitro, 137. avenue, 138. aspect, 139. evolutionary, 140. downtown, 141. onstage, 142. gene, 143. evolve, 144. random

145. su_____te decision *adj.* acting as a substitute or replacement for someone or something else; having a similar function or purpose
146. me_____al chemistry *adj.* of or relating to the treatment or cure of disease
147. acc_____te a chemical reaction *v.* to make something faster or earlier; to cause to develop or progress more quickly
148. a person of di_____e talents *adj.* including numerous categories of individuals or entities; various
149. par_____te fully in conversation *v.* to take part in something
150. field of artificial int_____nce *n.* the ability to learn, comprehend, or make judgments or conclusions based on reasons
151. de_____d by elevator *v.* to move downward and lower; to come from, or to be connected by a relationship of blood
152. or_____y and fair market *adj.* clean or organized in a neat, careful and logical way
153. ir_____te the atmosphere *v.* to expose or subject something to radiation or intense light, often for sterilization or treatment; to emit or give off rays of light or energy; to illuminate or make something clear or evident
154. major pha_____cal companies *adj.* relating to the production and selling of the medical drugs
155. tax re____f *n.* a feeling of happiness and relaxation that comes when something burdensome is removed or reduced

ANSWERS: 145. surrogate, 146. medicinal, 147. accelerate, 148. diverse, 149. participate, 150. intelligence, 151. descend, 152. orderly, 153. irradiate, 154. pharmaceutical, 155. relief

156. venomous oc____s *n.* a sea creature with a soft round body and eight long tentacles (= long parts like arms)
157. ind____us student *adj.* hardworking, diligent, and persistent in effort
158. hu___e opinion *adj.* having or showing a modest or low estimate of one's quality or importance
159. ho____le accident *adj.* extremely unpleasant or bad; causing fear or disgust
160. aut____le insurance *n.* a road vehicle that has four wheels and is powered by an engine, used for transporting people or goods
161. chi____ee society *n.* a small, very intelligent ape found in west and central Africa with black or brown fur
162. protect the database from mi____e *n.* the act of using something in an unsuitable way or for the wrong purpose
163. the di____ty policy of the university *n.* the quality or fact of many different types of things or people being included in something; a range of different things or people
164. con____us numbers *adj.* sharing a common boundary; touching; adjacent
165. pr____n synthesis *n.* a molecule made up of a long chain of amino acids, which is essential for the structure and function of the body's tissues
166. the del____te act of provocation *adj.* done with full consciousness of nature and effects rather than by accident

ANSWERS: 156. octopus, 157. industrious, 158. humble, 159. horrible, 160. automobile, 161. chimpanzee, 162. misuse, 163. diversity, 164. contiguous, 165. protein, 166. deliberate

167. res_____le action *adj.* answerable or accountable for something within one's power, control, or management
168. do_____wn building *adv.* in or towards the central area of a town or city
169. ma_____e amounts *adj.* enormous amount; very heavy and solid
170. ex_____t by human activity *adj.* no longer in existence
171. sm_____ox vaccine *n.* a highly contagious viral disease characterized by fever, weakness, spots on the skin, and often death
172. chi_____ee behavior *n.* a small, very intelligent ape found in west and central Africa with black or brown fur
173. sc___e off her attacker by screaming *v.* to frighten a person or animal, or to become frightened
174. vi_____n material *n.* a person who has never had sex; (adjective) being used or worked for the first time
175. brink of ext_____on *n.* the complete disappearance of a species from the earth
176. gr_____te degree program *n.* a person who has a first degree from university or college; (verb) to complete the first course of university or college and get a degree
177. sc___d dog *adj.* afraid or frightened
178. the worst case sc_____io *n.* a description of possible actions or events in the future; a written outline of a play, film, or literary work

ANSWERS: 167. responsible, 168. downtown, 169. massive, 170. extinct, 171. smallpox, 172. chimpanzee, 173. scare, 174. virgin, 175. extinction, 176. graduate, 177. scared, 178. scenario

179. wh__t crop *n.* a cereal plant that is the most important kind grown in temperate countries, the grain of which is ground to make flour for bread, pasta, pastry, etc
180. driverless aut_____le *n.* a road vehicle that has four wheels and is powered by an engine, used for transporting people or goods
181. walk on_____e *adv.* onto or on a stage in a theater; in front of an audience
182. long-ex_____t volcano *adj.* no longer in existence
183. large-toothed ho_____d *n.* a primate of a family (Hominidae) that includes humans and their fossil ancestors
184. in_____t estate *v.* to receive money, property, or a title from someone after they have died
185. delta pl__n *adj.* without being decorated in any way; (Noun) a vast expanse of flat land with few trees
186. he was ov_____lmed with gratitude *v.* to defeat someone or something by using a great deal of force; to have a strong emotional effect on somebody
187. mu_____d leaf *n.* a yellow or brown condiment that tastes spicy made from the seeds of various plants; (adjective) between yellow and brown
188. spread of the vi__s *n.* a tiny infectious organic material that causes disease in people, animals, and plants
189. endearing ni_____me *n.* a familiar or humorous name given to a person or thing instead of or as well as the real name

ANSWERS: 179. wheat, 180. automobile, 181. onstage, 182. extinct, 183. hominid, 184. inherit, 185. plain, 186. overwhelm, 187. mustard, 188. virus, 189. nickname

190. the m__h of an old religion *n.* an ancient story or set of stories accepted as history, especially explaining the worldview of a people
191. a g__m-free environment *n.* a very tiny living that causes the disease; a piece of something such as an organism, concept, etc., capable of growing into a new one or part of one
192. ov_____lm opponents by numbers *v.* to defeat someone or something by using a great deal of force; to have a strong emotional effect on somebody
193. ad_____e the technology *v.* to go or move forward; to develop in a positive way
194. black mu_____d seed *n.* a yellow or brown condiment that tastes spicy made from the seeds of various plants; (adjective) between yellow and brown
195. gr__t a land *v.* to agree to give or allow somebody
196. sc__e the birds away *v.* to frighten a person or animal, or to become frightened
197. re_____e CO2 into the air *v.* to set free or allow to escape from confinement
198. co_____ve a child *v.* to have or develop an idea, a plan, etc. in mind; to become pregnant
199. I am te_____ly sorry *adv.* very badly; to a great extent or very much
200. pa___t application *n.* a legal document that grants an inventor exclusive rights to their invention for a certain period of time; the invention or process for which a patent has been granted

ANSWERS: 190. myth, 191. germ, 192. overwhelm, 193. advance, 194. mustard, 195. grant, 196. scare, 197. release, 198. conceive, 199. terribly, 200. patent

201. save the pl___t *n.* any of the nine large celestial bodies that circle in the solar system; any celestial body that revolves around a star
202. d_n of traffic *n.* a loud, confused noise; a loud, persistent racket
203. int_____nt assisting system *adj.* having the capacity for thought and reason, especially to a high degree
204. or_____y manner *adj.* clean or organized in a neat, careful and logical way
205. remove lo__e hair *adj.* not securely fixed or fastened in place or able to be detached or separated from something
206. artificial fer_____ion *n.* the process of joining a sperm and an egg to produce an embryo
207. cr_____re of habit *n.* a living being, especially an animal
208. abstract sc_____re *n.* the art of creating three-dimensional objects or forms, typically by carving, modeling, or casting in a variety of materials such as stone, wood, metal, or clay
209. ho_____le smell *adj.* extremely unpleasant or bad; causing fear or disgust
210. e__t a history book *v.* to prepare written material for publication by correcting, condensing, or otherwise modifying it
211. ad_____e a cooperative relationship *v.* to go or move forward; to develop in a positive way

ANSWERS: 201. planet, 202. din, 203. intelligent, 204. orderly, 205. loose, 206. fertilization, 207. creature, 208. sculpture, 209. horrible, 210. edit, 211. advance

212. che_____apy side effects *n.* the treatment of disease, particularly cancer, using special drugs that have a toxic effect on cancer cells; frequently used in conjunction with other therapies such as surgery and radiation
213. a strain of vi__s *n.* a tiny infectious organic material that causes disease in people, animals, and plants
214. ev_____on theory *n.* a gradual process of transformation of living things
215. complete no_____ly *adv.* usually; under normal conditions
216. medication for ar_____is *n.* inflammation of one or more joints of the body, which include pain and stiffness
217. inc_____ly cheerful character *adv.* in a way that is very difficult to believe; exceedingly or extremely
218. development of va_____es *n.* a substance that is put into the body and protects them from disease by causing them to produce antibodies (= proteins that attack harmful bacteria, viruses, etc.)
219. re_____ze achievement *v.* to acknowledge or realize something or someone; to identify, remember, or become aware of something that was previously known or encountered
220. n__m of action *n.* something that is regarded as usual, typical, or standard
221. v__e-chair of the committee *n.* wrongdoing or wicked behavior; (in the form of vice versa) with the order reversed; (as a prefix) someone with a job immediately below a particular person

ANSWERS: 212. chemotherapy, 213. virus, 214. evolution, 215. normally, 216. arthritis, 217. incredibly, 218. vaccine, 219. recognize, 220. norm, 221. vice

222. re_____e a prisoner *v.* to set free or allow to escape from confinement
223. hereditary mu_____on *n.* the way in which genes of a person, plant, animal, or other organism change and produce permanent differences
224. a civil en_____er *n.* a person whose job is designing, building, or maintaining something such as machines, structures, or software
225. get ne_____s *adj.* worried and anxious about something; relating to the nerves
226. mu_____on of DNA *n.* the way in which genes of a person, plant, animal, or other organism change and produce permanent differences
227. 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
228. honor gr_____te *n.* a person who has a first degree from university or college; (verb) to complete the first course of university or college and get a degree
229. as____ts of social, political, and economic life *n.* one part or feature of a situation, problem, subject, etc.
230. gr_____y size *n.* a large North American bear species, often with greyish or brownish fur; a person who has streaks of grey or white hair
231. pr_____le in business *n.* a fundamental law or truth that explains or controls how something happens or works

ANSWERS: 222. release, 223. mutation, 224. engineer, 225. nervous, 226. mutation, 227. patient, 228. graduate, 229. aspect, 230. grizzly, 231. principle

232. 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)
233. antique po_____y *n.* ceramic ware made from clay and baked in a kiln; the art or process of making objects from clay by shaping it and then firing it in a kiln or oven
234. eve_____ly become obsolete *adv.* finally, particularly after a long time or a lot of struggle, complications, and so on
235. an int_____nce test *n.* the ability to learn, comprehend, or make judgments or conclusions based on reasons
236. a t__n room *n.* either of two children born at the same time from the same mother
237. traditional me_____al *adj.* of or relating to the treatment or cure of disease
238. sem_____tor industry *n.* a material or substance that can conduct electricity under certain conditions but not others, often used in electronic devices
239. li_____rm discovery *n.* a living organism, especially one that has a distinct shape, structure, or behavior
240. during rep_____ive period *adj.* connected with the process of reproduction; relating to reproducing babies, young animals, or plants

ANSWERS: 232. retrovirus, 233. pottery, 234. eventually, 235. intelligence, 236. twin, 237. medicinal, 238. semiconductor, 239. life-form, 240. reproductive

241. val_____ian speech *n.* the student who delivers the farewell address at a graduation ceremony, typically the student with the highest academic ranking in their class
242. s__p seats *v.* to give something and receive something in trade
243. perpetuate a m__h *n.* an ancient story or set of stories accepted as history, especially explaining the worldview of a people
244. cultural n__m *n.* something that is regarded as usual, typical, or standard
245. abs_____ly against *adv.* without restriction or limitation; completely or utterly
246. not no_____ly drink much *adv.* usually; under normal conditions
247. a hu___e cottage *adj.* having or showing a modest or low estimate of one's quality or importance
248. eat or_____c food *adj.* of or derived from biological substance; producing plants and animals for food and other items without the use of synthetic chemicals
249. ce_____te Christmas *v.* to acknowledge a memorable or good day or event with a social gathering or enjoyable activity
250. occ_____lly change the routine *adv.* now and then; sometimes but not often
251. the st_____re of a machine *n.* the way of construction of something and the arrangement of its parts, or a complex thing constructed of many parts

ANSWERS: 241. valedictorian, 242. swap, 243. myth, 244. norm, 245. absolutely, 246. normally, 247. humble, 248. organic, 249. celebrate, 250. occasionally, 251. structure

252. virtue and v__e *n.* wrongdoing or wicked behavior; (in the form of vice versa) with the order reversed; (as a prefix) someone with a job immediately below a particular person
253. symptoms of ar_____is *n.* inflammation of one or more joints of the body, which include pain and stiffness
254. che_____apy regimen *n.* the treatment of disease, particularly cancer, using special drugs that have a toxic effect on cancer cells; frequently used in conjunction with other therapies such as surgery and radiation
255. e__t a video *v.* to prepare written material for publication by correcting, condensing, or otherwise modifying it
256. br__d suspicion *v.* to keep animals for producing offspring in a regulated manner
257. interspecies ch_____a *n.* (in Greek mythology) a fire-breathing creature with a lion's head, a goat's body, and a snake's tail; a thing that is illusory or impossible to achieve
258. res_____le for a customer service *adj.* answerable or accountable for something within one's power, control, or management
259. par_____te in the program *v.* to take part in something
260. ext_____ary ability *adj.* exceptional, unexpected, very unusual; surpassing the ordinary or usual
261. water pi_____r *n.* a container with a spout used for pouring liquids, particularly used for serving drinks such as water or juice; a player in baseball who pitches the ball toward the batter

ANSWERS: 252. vice, 253. arthritis, 254. chemotherapy, 255. edit, 256. breed, 257. chimera, 258. responsible, 259. participate, 260. extraordinary, 261. pitcher

262. a membrane of a mit_____ria *n.* (singular: mitochondrion) an organelle (= a specialized part of a cell) found in large numbers in most cells that produce energy for the cell by breaking down food
263. gra_____ld-grandparent relationship *n.* a child of someone's son or daughter
264. a va_____y player *n.* a team representing a college or university in sports, typically composed of the best players
265. permanently ne_____l country *adj.* not helping or assisting either side in a conflict, argument, etc.
266. ext_____ary weather *adj.* exceptional, unexpected, very unusual; surpassing the ordinary or usual
267. a drapery sal_____on *n.* a person whose job is to sell goods in a shop or directly to customers
268. el_____fy a manufacturing process *v.* to make a machine or system work by using electricity; to make someone extremely enthusiastic about or interested in something
269. at inc_____le speed *adj.* unbelievable; enormous
270. or_____c soils *adj.* of or derived from biological substance; producing plants and animals for food and other items without the use of synthetic chemicals
271. 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.

ANSWERS: 262. mitochondria, 263. grandchild, 264. varsity, 265. neutral, 266. extraordinary, 267. salesperson, 268. electrify, 269. incredible, 270. organic, 271. gene

272. sigh of re___f *n.* a feeling of happiness and relaxation that comes when something burdensome is removed or reduced
273. basin-shaped va___y *n.* a long depression on the surface of the land, which typically contains a river
274. rep_____ive ability *adj.* connected with the process of reproduction; relating to reproducing babies, young animals, or plants
275. in___t a graphic *v.* to put something inside something else
276. a grand con_____on *n.* a general idea or belief of what something or someone is like or should be; an understanding of a situation or a principle
277. acc_____te the car *v.* to make something faster or earlier; to cause to develop or progress more quickly
278. the con_____ce of an argument *n.* the outcome of a particular action or event, especially relative to an individual
279. end of the first qu_____r *n.* one of four equal parts; a fourth part or portion
280. become pol_____ly savvy *adv.* in a way that relates to the government or public affairs of a nation
281. fun_____al education *adj.* forming an essential base or core from which everything else develops or is affected
282. production of sp___m *n.* the reproductive cell produced by a man or male animal

ANSWERS: 272. relief, 273. valley, 274. reproductive, 275. insert, 276. conception, 277. accelerate, 278. consequence, 279. quarter, 280. politically, 281. fundamental, 282. sperm

283. el_____fy the audience *v.* to make a machine or system work by using electricity; to make someone extremely enthusiastic about or interested in something
284. co_____ve of an idea *v.* to have or develop an idea, a plan, etc. in mind; to become pregnant
285. a t__n-lens camera *n.* either of two children born at the same time from the same mother
286. abs_____ly obsessed with the girl *adv.* without restriction or limitation; completely or utterly
287. a pa_____el case *adj.* being everywhere equidistant and not intersecting; of or relating to the simultaneous performance of multiple operations
288. bo____r the neighbors *v.* to disturb, annoy, or cause inconvenience or worry to someone; to take the trouble or effort to do something
289. number of different sc_____ios *n.* a description of possible actions or events in the future; a written outline of a play, film, or literary work
290. ma_____e stars *adj.* enormous amount; very heavy and solid
291. a b__n for cows *n.* a large farm building used for storage of crops or housing livestock
292. harvesting wh__t *n.* a cereal plant that is the most important kind grown in temperate countries, the grain of which is ground to make flour for bread, pasta, pastry, etc
293. in vi__o fermentation *n.* (used as "in vitro") a scientific experiment or procedure that takes place outside of a living organism, usually in a test tube or petri dish

ANSWERS: 283. electrify, 284. conceive, 285. twin, 286. absolutely, 287. parallel, 288. bother, 289. scenario, 290. massive, 291. barn, 292. wheat, 293. vitro

294. suffer te____ly

adv. very badly; to a great extent or very much

295. a lo__e tongue

adj. not securely fixed or fastened in place or able to be detached or separated from something

296. sp____ic instructions

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

ANSWERS: 294. terribly, 295. loose, 296. specific

Session 3: Fill in the Blanks

1. He sailed the Atlantic Ocean multiple times during his _____.
n. a journey or a series of events that is unusual, exciting, or dangerous
2. Too much variety may _____ and confuse viewers.
v. to defeat someone or something by using a great deal of force; to have a strong emotional effect on somebody
3. 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
4. His arm was swollen and _____ red.
adv. very badly; to a great extent or very much
5. They explored every _____ they could think of.
n. a wide road in a town or city, especially with trees or tall buildings on both sides; a line of approach
6. The findings of the experiment were both _____ and unexpected.
adj. causing a lot of interest or excitement
7. 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
8. It's important to _____ your strengths and weaknesses.
v. to acknowledge or realize something or someone; to identify, remember, or become aware of something that was previously known or encountered

ANSWERS: 1. adventures, 2. overwhelm, 3. virus, 4. terribly, 5. avenue, 6. exciting, 7. epidemic, 8. recognize

9. She _____ a new chapter into her manuscript.

v. to put something inside something else

10. The farmer grew _____ on his land.

n. a cereal plant that is the most important kind grown in temperate countries, the grain of which is ground to make flour for bread, pasta, pastry, etc

11. My mother's illness had a _____ impact on us all.

adj. extremely great; sensed or experienced very strongly; displaying a high level of knowledge or comprehension

12. Don't _____ horses while crossing a stream.

v. to give something and receive something in trade

13. The Court of Appeals upheld the _____.

n. an official opinion or decision made in a civil or criminal case or an inquest (= an inquiry into the cause of an unexpected death); the findings of a jury on issues of fact submitted to it for decision

14. Several cities are experiencing _____ high unemployment rates.

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

15. The nobler, the more _____.

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

16. She was _____ from an old Italian noble family.

v. to move downward and lower; to come from, or to be connected by a relationship of blood

ANSWERS: 9. inserted, 10. wheat, 11. profound, 12. swap, 13. verdict, 14. incredibly, 15. humble, 16. descended

17. The _____ of the soil allowed for a bountiful harvest.
n. the process of joining a sperm and an egg to produce an embryo
18. The grandparents take care of their _____ while the parents are at work.
n. a child of someone's son or daughter
19. I don't _____ take a vacation in the middle of summer.
adv. usually; under normal conditions
20. 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
21. He devoted his life to establishing a humanitarian _____ fund.
n. a feeling of happiness and relaxation that comes when something burdensome is removed or reduced
22. Please _____ her with the furniture relocation.
v. to help someone in doing anything
23. The inspector discovered _____ bolts under the fuel rods.
adj. not securely fixed or fastened in place or able to be detached or separated from something
24. The old _____ on the farm was used to store hay and other equipment.
n. a large farm building used for storage of crops or housing livestock
25. Many zoos have _____ exhibits, allowing visitors to observe these intelligent primates up close.
n. a small, very intelligent ape found in west and central Africa with black or brown fur

ANSWERS: 17. fertilization, 18. grandchild, 19. normally, 20. cancer, 21. relief, 22. assist, 23. loose, 24. barn, 25. chimpanzee

26. He grew up in the _____ but always dreamed of living in the city.
n. an outlying district or residential area of a city or town, typically comprising middle-class and affluent neighborhoods
27. An outbreak of _____ occurred in the 1920s.
n. a highly contagious viral disease characterized by fever, weakness, spots on the skin, and often death
28. _____ algorithms can find ways to optimize that humans do not anticipate.
adj. relating to or denoting how living things develop or change from earlier forms
29. The organizational _____ of start-ups is often flat and straightforward.
n. the way of construction of something and the arrangement of its parts, or a complex thing constructed of many parts
30. The government tried to _____ the commercialization of this development.
v. to make something faster or earlier; to cause to develop or progress more quickly
31. He achieved the honor of being the _____ of his graduating class.
n. the student who delivers the farewell address at a graduation ceremony, typically the student with the highest academic ranking in their class
32. Human behavior has _____ characteristics.
adj. forming an essential base or core from which everything else develops or is affected
33. The _____ states are connected by land.
adj. sharing a common boundary; touching; adjacent

ANSWERS: 26. suburbs, 27. smallpox, 28. Evolutionary, 29. structure, 30. accelerate, 31. valedictorian, 32. fundamental, 33. contiguous

34. With the financial bubble bursting, the _____ of economic growth in investment banking collapsed.
- n.* an ancient story or set of stories accepted as history, especially explaining the worldview of a people
35. Mercury is the closest _____ to the sun.
- n.* any of the nine large celestial bodies that circle in the solar system; any celestial body that revolves around a star
36. He decided to take a walk _____ area to explore the city.
- adv.* in or towards the central area of a town or city
37. He was the leader of the demonstrators and spoke out against the war in the front _____.
- n.* an arrangement of objects or people side by side in a line; (verb) to propel a boat through the water using oars
38. He performed his magic trick _____ leaving the audience in awe.
- adv.* onto or on a stage in a theater; in front of an audience
39. This electronic _____ is required to undergo periodic inspections to ensure precision.
- n.* an object used to make musical sounds, such as a piano, guitar, or drum; a tool or device used for a specific activity, particularly in specialist or scientific work
40. The _____ will repair my telephone tomorrow morning.
- n.* a person whose job is designing, building, or maintaining something such as machines, structures, or software
41. She gave money to help set up a _____ laboratory.
- adj.* relating to the production and selling of the medical drugs

ANSWERS: 34. myth, 35. planet, 36. downtown, 37. row, 38. onstage, 39. instrument, 40. engineer, 41. pharmaceutical

42. Drug _____ is associated with mental health disorders.
n. the act of using something in an unsuitable way or for the wrong purpose
43. I am _____ opposed to his idea because of morality.
adv. without restriction or limitation; completely or utterly
44. I have no _____ of what you intend.
n. a general idea or belief of what something or someone is like or should be; an understanding of a situation or a principle
45. Please don't _____ me while I'm trying to concentrate.
v. to disturb, annoy, or cause inconvenience or worry to someone; to take the trouble or effort to do something
46. _____ DNA is used to trace human lineage and migration footprints.
n. (singular: mitochondrion) an organelle (= a specialized part of a cell) found in large numbers in most cells that produce energy for the cell by breaking down food
47. 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)
48. The animal rights group worked to _____ the dolphins back into the wild.
v. to set free or allow to escape from confinement
49. The elections were handled in a timely and _____ manner.
adj. clean or organized in a neat, careful and logical way

ANSWERS: 42. misuse, 43. absolutely, 44. conception, 45. bother, 46. Mitochondria, 47. retrovirus-targeted, 48. release, 49. orderly

50. Radiation often promotes genetic _____ in plants and animals.
n. the way in which genes of a person, plant, animal, or other organism change and produce permanent differences
51. Animal _____ are created by combining multiple fertilized eggs.
n. (in Greek mythology) a fire-breathing creature with a lion's head, a goat's body, and a snake's tail; a thing that is illusory or impossible to achieve
52. The systems we have developed has accepted as industry _____.
n. something that is regarded as usual, typical, or standard
53. The president prepared several possible _____ for an enemy attack.
n. a description of possible actions or events in the future; a written outline of a play, film, or literary work
54. A legislative speaker should always be _____.
adj. not helping or assisting either side in a conflict, argument, etc.
55. 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
56. This animal _____ in northern latitudes.
v. to keep animals for producing offspring in a regulated manner
57. The product developed through years of research continues to _____ the market.
v. to make a machine or system work by using electricity; to make someone extremely enthusiastic about or interested in something

ANSWERS: 50. mutations, 51. chimeras, 52. norms, 53. scenarios, 54. neutral, 55. responsible, 56. breeds, 57. electrify

58. The lowest lowland region is mostly flat _____.

adj. without being decorated in any way; (Noun) a vast expanse of flat land with few trees

59. 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

60. The company develops and sells _____ memory for use in computers and servers.

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

61. The deep sea _____ was unlike anything the scientists had ever seen before.

n. a living being, especially an animal

62. The _____ vaccine development is regarded as one of the greatest medical achievements of the 20th century.

n. an acute infectious disease caused by a virus that attacks nerve cells in the spinal cord and brain, leading to paralysis, muscle weakness, and potentially lifelong disability

63. The unemployment rate in the first _____ was 2.3 percentage points higher than in the previous.

n. one of four equal parts; a fourth part or portion

64. The recent economic downturn has resulted in _____ layoffs.

adj. enormous amount; very heavy and solid

ANSWERS: 58. plain, 59. modify, 60. semiconductor, 61. creature, 62. polio, 63. quarter, 64. massive

65. The ____ of the city was overwhelming.
- n.* a loud, confused noise; a loud, persistent racket
66. The company has filed for a _____ to protect its new invention.
- n.* a legal document that grants an inventor exclusive rights to their invention for a certain period of time; the invention or process for which a patent has been granted
67. _____ is the second most abundant element on earth after oxygen.
- n.* a chemical element with the symbol Si that is a hard, brittle crystalline solid with a blue-grey metallic luster and used for the transistors and integrated circuit chips in computers
68. Many cancer patients undergo _____ as a treatment option.
- n.* the treatment of disease, particularly cancer, using special drugs that have a toxic effect on cancer cells; frequently used in conjunction with other therapies such as surgery and radiation
69. The chairperson _____ him the right to speak.
- v.* to agree to give or allow somebody
70. The advantages would undoubtedly _____ the disadvantages.
- v.* to be heavier, more significant, or more critical than something
71. The kidney is an _____ component of the body.
- adj.* of or derived from biological substance; producing plants and animals for food and other items without the use of synthetic chemicals
72. My rheumatoid _____ is acting up again.
- n.* inflammation of one or more joints of the body, which include pain and stiffness

ANSWERS: 65. din, 66. patent, 67. Silicon, 68. chemotherapy, 69. granted, 70. outweigh, 71. organic, 72. arthritis

73. They study the _____ of the universe.

n. a gradual process of transformation of living things

74. She still _____ writes a short romance novel.

adv. now and then; sometimes but not often

75. To find drunk drivers, police conduct _____ tests.

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

76. He was known to be very _____ and would often work late into the night.

adj. hardworking, diligent, and persistent in effort

77. He narrated the _____ story of his adventure.

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

78. The male _____ fertilizes the female egg.

n. the reproductive cell produced by a man or male animal

79. Eyeless fish _____ in dark caves.

v. to develop gradually, or to cause the development of something or someone gradually

80. 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

81. _____ robots that can cooperate with humans have limited motor output for safety.

adj. having the capacity for thought and reason, especially to a high degree

ANSWERS: 73. evolution, 74. occasionally, 75. random, 76. industrious, 77. extraordinary, 78. sperm, 79. evolved, 80. edit, 81. Intelligent

82. Her response revealed _____ idiocy.

adj. unbelievable; enormous

83. He was impressed by the range and _____ of the collection.

n. the quality or fact of many different types of things or people being included in something; a range of different things or people

84. She was a _____ student of a prestigious university.

adj. having received a degree from a school, college, or university; marked with or divided into levels or degrees

85. Within a few years, no _____ forests will remain.

n. a person who has never had sex; (adjective) being used or worked for the first time

86. The majority of students actively _____ in the college's intramural sports program.

v. to take part in something

87. The lab technician used in _____ fertilization to help the couple conceive.

n. (used as "in vitro") a scientific experiment or procedure that takes place outside of a living organism, usually in a test tube or petri dish

88. I'm _____ of insects.

adj. afraid or frightened

89. This documentary deals with the _____ biology of the buffalo.

adj. connected with the process of reproduction; relating to reproducing babies, young animals, or plants

ANSWERS: 82. incredible, 83. diversity, 84. graduated, 85. virgin, 86. participated, 87. vitro, 88. scared, 89. reproductive

90. After his death, his sons _____ his business.

v. to receive money, property, or a title from someone after they have died

91. This newspaper is supposed to be _____ neutral.

adv. in a way that relates to the government or public affairs of a nation

92. This scripture provides the code of _____ for the religion.

n. a branch of philosophy that considers what is morally right and wrong conduct; a set of beliefs about what is morally right and wrong

93. The body needs a certain amount of _____ to build and repair tissues.

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

94. The _____ had received a mild snowfall the previous week.

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

95. He tried to _____ her with his charm and good looks.

v. to entice someone to engage in sexual behavior or to enter into a romantic relationship

96. Scientists are searching for signs of _____ on other planets.

n. a living organism, especially one that has a distinct shape, structure, or behavior

97. The corporation _____ dominated the entire tobacco business.

adv. finally, particularly after a long time or a lot of struggle, complications, and so on

ANSWERS: 90. inherited, 91. politically, 92. ethics, 93. protein, 94. valley, 95. seduce, 96. life-form, 97. eventually

98. He didn't like _____ floret and avoided eating it.
- n.* a green vegetable with a bunch of small, tight florets on a thick stem that belongs to the cabbage family
99. 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
100. Despite its advanced science and technology, the empire was _____ about invasion.
- adj.* done with full consciousness of nature and effects rather than by accident
101. 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
102. We have to _____ our foreign policy from ideology.
- v.* to disconnect or separate something from something else that it was joined to or part of previously
103. 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
104. Many employers hire _____ trainees to train as managers.
- n.* a person who has a first degree from university or college; (verb) to complete the first course of university or college and get a degree
105. She was struggling to make a _____ between two job offers.
- n.* the act or process of making up someone's mind about something; a choice or judgment reached after considering options

ANSWERS: 98. broccoli, 99. surrogate, 100. deliberate, 101. patient's, 102. decouple, 103. genetic, 104. graduate, 105. decision

106. The _____ of the dinosaurs is thought to have been caused by an asteroid impact.

n. the complete disappearance of a species from the earth

107. 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.

108. The _____ industry is a major contributor to air pollution in cities.

n. a road vehicle that has four wheels and is powered by an engine, used for transporting people or goods

109. 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

110. We hit the ground to _____ out the rabbits.

v. to frighten a person or animal, or to become frightened

111. When we ordered iced tea, the waiter brought us a _____ full of the beverage.

n. a container with a spout used for pouring liquids, particularly used for serving drinks such as water or juice; a player in baseball who pitches the ball toward the batter

112. He experienced nausea after eating live _____.

n. a sea creature with a soft round body and eight long tentacles (= long parts like arms)

113. These economic activities had disastrous environmental _____.

n. the outcome of a particular action or event, especially relative to an individual

ANSWERS: 106. extinction, 107. gene, 108. automobile, 109. specific, 110. scare, 111. pitcher, 112. octopus, 113. consequences

114. He received the title of the best _____ in all our branches worldwide.
n. a person whose job is to sell goods in a shop or directly to customers
115. He _____ the 10th anniversary of his tenure.
v. to acknowledge a memorable or good day or event with a social gathering or enjoyable activity
116. The ability to fly like a bird is often considered a _____ in comic books and movies.
n. a country or nation that has significant global influence or formidable military, economic, or technological strength; a supernatural ability or force capable of extraordinary feats or feats beyond normal human capabilities
117. The nuclear power plant was designed to _____ the uranium rods to produce energy.
v. to expose or subject something to radiation or intense light, often for sterilization or treatment; to emit or give off rays of light or energy; to illuminate or make something clear or evident
118. The experience was _____ and left a lasting impression.
adj. extremely unpleasant or bad; causing fear or disgust
119. He _____ when he heard that he had been accepted into the university.
v. to turn over into a different position quickly; to throw or toss with a light motion
120. The hiker stumbled upon a _____ bear in the woods and quickly retreated.
n. a large North American bear species, often with greyish or brownish fur; a person who has streaks of grey or white hair
121. _____ used to be considered a fatal disease.
n. an infectious disease usually caused by tubercle bacteria that can attack many parts of a person's body, especially their lungs

ANSWERS: 114. salesperson, 115. celebrated, 116. superpower, 117. irradiate, 118. horrible, 119. flipped, 120. grizzly, 121. Tuberculosis

122. In terms of _____ he was head and shoulders above his classmates.
- n.* the ability to learn, comprehend, or make judgments or conclusions based on reasons
123. The ____ of his idea came from watching birds flying in flocks.
- n.* a very tiny living that causes the disease; a piece of something such as an organism, concept, etc., capable of growing into a new one or part of one
124. His professional experience includes all _____ of media production.
- n.* one part or feature of a situation, problem, subject, etc.
125. Cats hate dogs and ____ versa.
- n.* wrongdoing or wicked behavior; (in the form of vice versa) with the order reversed; (as a prefix) someone with a job immediately below a particular person
126. He tried every possible treatment, including chemotherapy and _____ therapy.
- n.* the energy that comes from a nuclear reaction in the form of rays, waves, or particles and that can be hazardous to health
127. The couple decided to use the non-husband sperm to _____ a wife.
- v.* to cause an egg, female animal, or plant to develop by joining sperm from the male with them; to add a natural or chemical substance to land to make plants grow well
128. Its ____ brothers are difficult to tell apart except for their parents.
- n.* either of two children born at the same time from the same mother
129. I love to roast _____ with garlic and olive oil for a healthy side dish.
- n.* a vegetable that belongs to the same family as broccoli and cabbage, characterized by a compact head of central florets surrounded by green leaves, commonly used in cooking and preparation of various cuisines

ANSWERS: 122. intelligence, 123. germ, 124. aspects, 125. vice, 126. radiation, 127. fertilize, 128. twin, 129. cauliflower

130. Scientific knowledge will _____ significantly with the power of AI.
v. to go or move forward; to develop in a positive way
131. The _____ properties of this herb have been known to help with various ailments.
adj. of or relating to the treatment or cure of disease
132. I can't _____ he'd want to harm us.
v. to have or develop an idea, a plan, etc. in mind; to become pregnant
133. New York is a city with a _____ ethnic population.
adj. including numerous categories of individuals or entities; various
134. The ancient Greek _____ are known for their realism and attention to detail.
n. the art of creating three-dimensional objects or forms, typically by carving, modeling, or casting in a variety of materials such as stone, wood, metal, or clay
135. I _____ skim milk for regular milk because we are on a strict diet.
n. a person or thing acting or serving instead of another one; (verb) to act as a something or someone instead of another one
136. 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
137. The soup was made with bone _____ giving it a rich and savory flavor.
n. a soft, fatty, vascular substance in the cavities of bones, in which blood cells are produced; the choicest or most essential part of some idea or experience

ANSWERS: 130. advance, 131. medicinal, 132. conceive, 133. diverse, 134. sculptures, 135. substitute, 136. disease, 137. marrow,

138. The mRNA _____ was approved in less than a year because it did not contain the fragments of the target virus.
- n.* a substance that is put into the body and protects them from disease by causing them to produce antibodies (= proteins that attack harmful bacteria, viruses, etc.)
139. She took a _____ class and learned how to make vases and bowls.
- n.* ceramic ware made from clay and baked in a kiln; the art or process of making objects from clay by shaping it and then firing it in a kiln or oven
140. Scientists have discovered new fossil evidence of an ancient _____ species.
- n.* a primate of a family (Hominidae) that includes humans and their fossil ancestors
141. He had to endure the _____ gas attack during the war.
- n.* a yellow or brown condiment that tastes spicy made from the seeds of various plants; (adjective) between yellow and brown
142. Many species have become _____ due to habitat destruction and other human activities.
- adj.* no longer in existence
143. He suffers from _____ breakdowns.
- adj.* worried and anxious about something; relating to the nerves
144. He walked a road _____ to the railroad.
- adj.* being everywhere equidistant and not intersecting; of or relating to the simultaneous performance of multiple operations
145. The team has a _____ for their star player: "The Ace."
- n.* a familiar or humorous name given to a person or thing instead of or as well as the real name

ANSWERS: 138. vaccine, 139. pottery, 140. hominid, 141. mustard, 142. extinct, 143. nervous, 144. parallel, 145. nickname

146. We need to _____ the aspect of his personality from the part of his competence when making an investment decision.

v. to force, take, or pull apart; mark as different

147. Efficiency isn't an essential _____ here; fairness is.

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

148. Jane made the _____ team and was thrilled to compete at the highest level.

n. a team representing a college or university in sports, typically composed of the best players

ANSWERS: 146. separate, 147. principle, 148. varsity