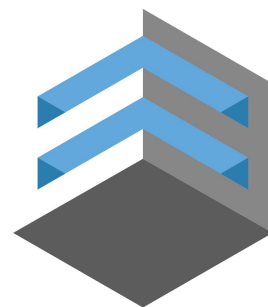


Englist.me



Vocabulary Builder Reference from...

Mark Kendall: Demo: A needle-free vaccine patch that's safer and way cheaper | TED Talk

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

All Words

IMPORTANT

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Session 1: Word List

birthplace

n. the house, town, etc., where someone was born
synonym: hometown, native place, origin

(1) ancestral **birthplaces**, (2) **birthplace** of modern soccer
The **birthplace** of civilization is a topic of much debate among historians.

needle

n. a thin, pointed object typically used for sewing or medical purposes; a metal or plastic instrument used for administering injections or drawing blood
synonym: thorn, spike, pin

(1) **needle** prick, (2) sewing **needle**
The acupuncturist inserted **needles** into specific points on my body to alleviate my pain.

syringe

n. a device used for injecting or withdrawing fluids from the body, consisting of a tube and a plunger that creates a vacuum or expels the fluid
synonym: needle, injector, shot

(1) **syringe** needle, (2) **syringe** injection
Addicts often share dirty **syringes**, putting themselves at risk for disease.

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.

royal

adj. relating to or belonging to the king or queen or a member of their family

synonym: imperial, noble, aristocratic

(1) a **royal** palace, (2) prince **royal**

She is willing to give up her position in the **royal** family to marry him.

physician

n. a medical doctor who practices medicine

synonym: doctor, practitioner, medic

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

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

identical

adj. being the exact same one

synonym: duplicate, exact, analogous

(1) pair of **identical** twins, (2) an **identical** equation

Infant formulas are nutritionally almost **identical** to a mother's breast milk.

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.

creditor

n. a person, company, etc. to whom a debtor owes money
(1) the **creditor's** claims, (2) bankrupt **creditor**
I asked the lawyer to initiate **creditor** negotiations for voluntary liquidation.

sanitation

n. the process of maintaining a clean and hygienic environment, particularly in public health and safety contexts; the practice of disposing of waste products in a safe and appropriate manner
synonym: cleanliness, hygiene, sterilization
(1) **sanitation** standards, (2) poor **sanitation**
Sanitation workers play a critical role in keeping our cities clean and healthy.

span

n. the entire length of something, such as time or space from beginning to end; the amount of space that something covers
synonym: interval, period, length
(1) the **span** of a bird's wings, (2) the average life **span**
He slightly modified the **span** of training because it was just before a match.

shortcoming

n. a lack or deficiency in a particular respect; a fault or defect
synonym: deficiency, fault, weakness
(1) have a serious **shortcoming**, (2) the **shortcoming** in the system
The company's main **shortcoming** was a lack of innovation.

narrative

n. a story or a description of a series of events or process of telling a story
synonym: the tale, chronology, annals
(1) **narrative** poetry, (2) personal **narrative**
The **narrative** handles multiple plot lines and has unpredictable ends.

obvious

adj. easy to see, discover or understand

synonym : apparent, conspicuous, evident

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

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

phobia

n. an extreme or irrational fear of a particular object, person, situation, or activity; a type of anxiety disorder

synonym : fear, dread, terror

(1) **phobia** treatment, (2) social **phobia**

She has a **phobia** of spiders and always avoids them.

dislike

v. to not like someone or something

synonym : disapprove, disfavor, deprecate

(1) **dislike** speaking in public, (2) **dislike** this kind of food

He seems to **dislike** all forms of exercise.

vaccinate

v. to treat with a vaccine, usually by injection, to produce immunity against a disease

synonym : immunize, inject, inoculate

(1) **vaccinate** against scarlet fever, (2) **vaccinate** every year

The nurse **vaccinated** the children in the school.

problematic

adj. full of difficulties; difficult to deal with or solve

synonym : inappropriate, inconvenient, worrisome

(1) a **problematic** situation, (2) seems to be highly **problematic**

Direct democracy is effective in quickly resolving **problematic** situations within a community.

rollout

n. the introduction or implementation of a new product, service, or system, particularly one that has been planned and developed over a period of time

synonym : launch, release, deployment

(1) **rollout** strategy, (2) software **rollout**

The company announced the **rollout** of its new product line next month.

relate

v. to establish a connection or association between two or more things; to narrate or tell about an event, experience, or relationship; to empathize or feel sympathy with someone or something

synonym: connect, link, associate

(1) **relate** a story, (2) **relate** a message

He tried to **relate** his experience to the group, but they couldn't understand.

injury

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

synonym: wound, damage, hurt

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

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

contamination

n. the presence of something harmful or unwanted in a substance, material, or environment; the act of introducing harmful substances or materials into an environment or area

synonym: pollution, defilement, infection

(1) **contamination** levels, (2) soil **contamination**

The **contamination** of the water supply led to widespread illness in the community.

immune

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

synonym: resistant, unsusceptible, unaffected

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

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

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.

chain

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

synonym : series, string, link

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

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

tackle

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

synonym : deal with, dive into, work on

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

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

specimen

n. an individual example or sample of something, typically used to represent a larger group or category

synonym : example, sample, model

(1) **specimen** collection, (2) botanical **specimen**

The biology teacher showed the students a frog **specimen** so they could examine its anatomy.

microscope

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

synonym : lens, magnifier, eyepiece

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

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

invisible

adj. impossible or nearly impossible to see

synonym : hidden, imperceptible, unseen

(1) an **invisible** asset, (2) **invisible** stars

The phenomenon is **invisible** at optical wavelengths.

function

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

synonym : purpose, mapping, job

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

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

technique

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

synonym : approach, procedure, strategy

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

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

react

- v.* to take action in response to something

synonym : respond, reply, oppose

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

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

ion

- n.* an atom or molecule that has a positive or negative electrical charge caused by its losing or gained one or more electrons

(1) **ion** channel, (2) rechargeable lithium- **ion** battery

The increased concentration of **ion** of hydrogen ions in an aqueous solution makes it more acidic.

etch

- v.* to carve, cut, or engrave (a design or text) into a hard surface; to corrode, erode or eat away at a metal surface using acid or another chemical substance to create a design or pattern

synonym :

engrave, inscribe, carve

(1) **etch** a metal plate, (2) **etch** a design into wood

He used a sharp tool to **etch** his initials onto the metal.

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.

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.

roll

v. to move in a particular direction by turning over and over or from side to side

synonym: spin, swirl, wheel

(1) **roll** a ball, (2) **roll** down his cheeks

He was exhausted and **rolled** into bed as soon as he got home.

devise

v. to come up with an idea, plan, theory, etc., using your intelligence or imagination

synonym: create, concoct, invent

(1) **devise** a plan, (2) **devise** a literary plot

They had to **devise** a system that did not depend on fossil fuels.

device

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

synonym: gadget, instrument, tool

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

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

sophisticated

adj. having a great deal of worldly experience and knowledge of people's behavior, culture, and fashion

synonym: refined, cultured, worldly

(1) **sophisticated** look, (2) a **sophisticated** lifestyle

Marketing strategies are growing more **sophisticated**.

operate

v. to work in a particular way; to supervise something

synonym: work, use, employ

(1) **operate** 24 hours a day, (2) manually **operate** a machine

This machine is too difficult to **operate** for me.

immediately

adv. now or without delay

synonym: directly, instantly, promptly

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

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

breach

n. a break or opening, often in a wall or barrier, which enables passage or entry; a violation or infraction of a law, agreement, or duty, often resulting in legal action or punishment

synonym: violation, infraction, trespass

(1) security **breach**, (2) **breach** of privacy

The company's data **breach** compromised thousands of customers' personal information.

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.

discard

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

synonym: throw away, reject, abandon

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

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

reuse

v. to use something again or more than once

synonym: reprocess, recycle, rehash

(1) **reuse** the materials, (2) **reuse** existing knowledge

The supermarket encourages shoppers to **reuse** plastic bags.

advantage

n. a condition or circumstance that puts one in a favorable or superior position; a beneficial feature or asset that someone or something has

synonym: benefit, edge, asset

(1) score an **advantage**, (2) take **advantage** of his weak points

One of the main **advantages** of the new product is its increased efficiency.

improvisation

n. the act of making something up on the spot or creating or performing something without preparation

synonym: spontaneity, ad-lib, extemporization

(1) **improvisation** on stage, (2) jazz **improvisation**

He created a beautiful piece of music using only **improvisation**.

delivery

n. the act of taking or sending something to a destination; the bringing of a baby during childbirth

synonym: sending, transporting, bringing

(1) an easy **delivery**, (2) special **delivery**

The **delivery** truck arrived with the packages.

rid

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

synonym: do away with, free, clear

(1) get **rid** of the rats, (2) **rid** the body of waste products
We must **rid** ourselves of pollution.

immunogenicity

n. the ability of a substance, typically a vaccine or antigen, to induce an immune response in the body, which refers to the capacity of the substance to elicit the production of immune cells and antibodies, leading to an immune reaction and the development of immune memory

synonym: immunogen, antigenicity

(1) **immunogenicity** assay, (2) therapeutic

immunogenicity

The scientists conducted extensive research to determine the **immunogenicity** of the new vaccine.

introduction

n. a preliminary explanation or remarks given before the start of a text, performance, or event; the act of bringing something new into existence or introducing something to a wider audience or new market

synonym: initiation, preamble, prologue

(1) **introduction** education, (2) self- **introduction**

The **introduction** to the new class was informative and engaging.

antigen

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

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

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

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.

mount

v. to increase, go up, or advance gradually or continuously; to prepare and supply with the necessary equipment for execution or performance; to ride on something or someone

synonym: climb, increase, get on

(1) **mount** a hill, (2) **mount** a counterattack

They **mounted** pictures on the paper in preparation for the birthday card.

intruder

n. someone who enters a place or situation without permission or invitation; someone who interrupts or interferes in something

synonym: trespasser, intruder, interloper

(1) illegal **intruder**, (2) infrared **intruder** system

The homeowner called the police when they spotted an **intruder** in their backyard.

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**.

infection

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

synonym: contagion, disease, transmission

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

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

argue

v. to express differing opinions or points of view, often in a heated or contentious manner; to present a case or reasoning to persuade or convince others

synonym: debate, dispute, quarrel

(1) **argue** a case, (2) **argue** passionately

The couple began to **argue** over which restaurant to go to for dinner.

spot

n. a particular location or place; a small round or roundish area, differing in color or feels from the surface around it
synonym: dot, mark, place

(1) beauty **spot**, (2) a **spot** on his honor

This remote **spot** is rarely visited.

grid

n. a pattern of regularly spaced horizontal and vertical lines; a system of high tension cables by which electrical power is distributed throughout a region

synonym: gridiron, battery grid, power system

(1) a **grid** design, (2) a wire **grid**

Grid pattern roads often appear in urban areas.

entirely

adv. completely

synonym: completely, fully, totally

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

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

magenta

n. a bright, purplish-red color named after a plant that was once used to produce a dye with a similar hue

synonym: purple-red, fuchsia

(1) **magenta** flowers, (2) **magenta** ink

The artist used **magenta** paint to make her painting pop with color.

jam

n. a situation in which something becomes stuck because of a dense crowd of people, vehicles, etc.; a preserve of crushed fruit

synonym: difficulty, mess, preserve

(1) a traffic **jam**, (2) a jar of **jam**

The shredder in the print room often has paper **jams**.

stain

v. to discolor, defile, or tarnish something; (noun) a discoloration or dirty mark on a surface that is difficult to remove

synonym: discolor, tarnish, defile

(1) **stain** the carpet, (2) red wine **stain**

The allegations of corruption **stained** her reputation, and she struggled to regain public trust.

achieve

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

synonym: accomplish, attain, reach

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

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

penetration

n. the act or process of penetrating or entering something, often forcefully or with difficulty; the depth or extent to which something has been entered or understood

synonym: infiltration, entry, invasion

(1) **penetration** testing, (2) market **penetration**

The spy's mission was to gather intelligence on enemy territories through covert **penetration**.

reside

v. to live in a particular place, typically for a prolonged period of time

synonym: live, dwell, inhabit

(1) **reside** on the skin, (2) **reside** permanently

They **reside** in a beautiful old house in the countryside.

invention

n. the creation of a new device or process resulting from study and experimentation; the act of inventing

synonym: creation, design, innovation

(1) the **invention** of new techniques, (2) common **invention**

Necessity is the mother of **invention**.

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.

systematic

adj. done or acting according to a determined set of systems or plans:

synonym: periodic, frequent, organized

(1) a **systematic** reformation, (2) **systematic** botany
Science is based on the **systematic** classification of experience.

sleeve

n. a part of a garment that covers all or part of an arm

synonym: arm covering, armband

(1) a wide **sleeve**, (2) **sleeve** length

He rolled up his **sleeves** to get ready to work.

gamble

v. to take risky action in the hope of being successful; to play or game for money or other stakes

synonym: bet, venture, wager

(1) **gamble** \$100 on the race, (2) **gamble** away my fortune

Will you **gamble** on the result of the fight?

obtain

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

synonym: accept, acquire, receive

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

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

influenza

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

synonym: grippe, flu

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

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

slide

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

synonym : glide, drift, drop

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

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

horizontal

adj. parallel to the ground or in a baseline; being at the same level as all members of a group

synonym : even, lying, parallel

(1) **horizontal** lines, (2) **horizontal** stripes

Airplanes need **horizontal** tails to improve stability.

axis

n. a real or imaginary straight line through a body or figure around which the object turns; a group of countries in special alliance

synonym : central, core, pole

(1) vertical **axis**, (2) a coordinate **axis**

The earth's **axis** of rotation is tilted 66.5 degrees to the ecliptic plane.

vertical

adj. upright or perpendicular to a horizontal surface or line

synonym : perpendicular, upright, plumb

(1) **vertical** takeoff, (2) **vertical** axis

The ladder leaned against the **vertical** surface of the building.

indicate

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

synonym : hint, suggest, show

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

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

threshold

n. the floor or ground that forms the bottom of a doorway and offers support when passing through a doorway; the smallest detectable sensation

synonym : anteroom, brink, verge

(1) the **threshold** between rooms, (2) high pain **threshold**
She's on the **threshold** of adulthood.

curve

n. a bend or angle in a line or surface that deviates from a straight or flat path; a gradual or smooth change in direction or shape

synonym : bend, arc, turn

(1) learning **curve**, (2) yield **curve**

The **curve** in the road was so sharp that I had to slow down to navigate it safely.

distinctly

adv. in a way that is clearly or noticeably different or separates from something else; in a way that is unmistakably or unequivocally defined or identifiable

synonym : clearly, obviously, unmistakably

(1) **distinctly** remember, (2) **distinctly** different

The **distinctly** floral scent of the perfume lingered in the air long after the wearer had left the room.

opportune

adj. suitable or happening at a time that is suitable or convenient for a particular purpose

synonym : suitable, timely, practical

(1) **opportune** occasion, (2) an **opportune** remark

The phone rang at the most **opportune** time.

suddenly

adv. quickly and unexpectedly

synonym : abruptly, unexpectedly, unawares

(1) **suddenly** attacked by an enemy, (2) die **suddenly**

Who answers **suddenly** knows little.

brand

n. a type of product, service, etc., made by a particular company and sold under a specific name; identification mark on the skin of livestock, criminals, etc., made by burning

synonym : trademark, label, symbol

(1) create a **brand** logo, (2) the **brand** of the new car

There's a new **brand** of hero in the movies now.

lever

n. a handle used to operate a vehicle or a machine; a rigid bar resting on a pivot so that one end of it can be pushed or pulled easily

synonym: lifter, crowbar, bar

(1) a gear change **lever**, (2) **lever** for reform

This initiative will be a **lever** for increasing company sales.

develop

v. to grow or expand; to improve or refine through a process of progress and refinement, often to achieve greater sophistication or complexity; to elaborate or add detail to something that is in the process of being created

synonym: evolve, progress, advance

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

We must **develop** a new system to streamline our workflow and increase efficiency.

malaria

n. a severe disease caused by a parasite that is spread by the bite of an infected mosquito

(1) **malaria** mosquitoes, (2) **malaria-endemic** area

Many people in tropical countries die from **malaria** every year.

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.

adequate

adj. enough, acceptable, satisfactory for a particular purpose or need

synonym: enough, acceptable, able

(1) **adequate** parking facilities, (2) provide **adequate** funding

This argument is still not **adequate**.

candidate

n. a person who is seeking or being considered for some kind of position, title, honor, or award; a job applicant
synonym : applicant, nominee, contender

(1) **candidate** selection, (2) PhD **candidate**

The **candidate's** platform focused on healthcare reform and reducing income inequality.

lab

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

synonym : workshop, laboratory, research chamber

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

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

attain

v. to achieve or reach a goal or level of success

synonym : accomplish, achieve, reach

(1) **attain** success, (2) **attain** a complete victory

She is determined to **attain** her degree in computer science.

maintain

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

synonym : preserve, uphold, sustain

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

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

requirement

n. something that is needed or wanted

synonym : prerequisite, provision, condition

(1) meet **requirement**, (2) school **requirement**

What is the entry **requirement** for this course?

refrigerate

v. to cool or preserve food or other items by using a refrigerator or other cold storage device; to keep something at a low temperature to prevent spoilage or degradation

synonym : chill, cool, freeze

(1) **refrigerate** perishable, (2) **refrigerate** medicine
We need to **refrigerate** the leftovers to keep them from spoiling.

slightly

adv. in a small degree or extent; a little
synonym: barely, narrowly, scarcely

(1) increase **slightly**, (2) **slightly** alkaline soils
He moved his body **slightly** to the left.

extreme

adj. very great in amount or degree
synonym: farthestmost, outermost, fierce

(1) **extreme** sports, (2) **extreme** weather events
Solar gravity creates **extreme** pressures and temperatures.

illustrate

v. to provide pictures, photographs, diagrams, etc. in a book or something for explanation
synonym: demonstrate, explain, exemplify

(1) **illustrate** a key point, (2) **illustrate** a story
The company's financial records **illustrate** how successful it has been.

stake

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

(1) execution by burning at a **stake**, (2) buy the company's **stake**
The **stake** of the company is too high nowadays.

estimate

v. to guess or calculate the cost, size, value, etc. of something
synonym: calculate, gauge, evaluate

(1) **estimate** a fair value, (2) **estimate** this chicken to weigh three pounds
We **estimated** the season's total trade deficit at \$50 billion.

prop

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

synonym: support, buttress, column

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

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

liquid

n. a substance, such as water or oil that flows freely and is neither a solid nor a gas

synonym: fluid

(1) colorless **liquid**, (2) hazardous **liquid**

The sponge takes up the **liquid** well.

refrigeration

n. the process of cooling or freezing something, especially food, to preserve it

synonym: cooling, freezing, preservation

(1) **refrigeration** car, (2) **refrigeration** technology

The supermarket had a large **refrigeration** section with all kinds of fresh produce.

attribute

v. to say or regard that something is the result of a particular thing; (noun) a quality or feature that someone or something possesses;

synonym: ascribe, blame, (noun) feature

(1) **attribute** the change to their marriage, (2) **attribute** directly to sales

He **attributes** the disappointing results to the economic downturn.

degree

n. a unit of measurement for angles, temperature, or level of proficiency or achievement; a rank or level of academic or professional attainment

synonym: level, qualification, diploma

(1) bachelor's **degree**, (2) **degree** centigrade

She received her **degree** in psychology from the university.

improve

v. to make or become better

synonym: enhance, ameliorate, enrich

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

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

delight

n. a feeling of great pleasure or happiness

synonym: pleasure, joy, satisfaction

(1) a tremor of **delight**, (2) with **delight**

The **delight** on the child's faces when they received the toy was priceless.

laboratory

n. a workplace for doing scientific research or teaching science; a lab

synonym: lab, workshop, testing room

(1) **laboratory** accident, (2) anthropology **laboratory**

Animal protection groups call for an end to animal testing in a **laboratory**.

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.

biomedical

adj. relating to the application of the natural sciences, especially biology, and physiology, to clinical medicine and healthcare

synonym: medical, clinical, health-related

(1) **biomedical** assay, (2) cutting-edge **biomedical**

Biomedical engineering focuses on developing new medical technologies and innovations to improve patient health outcomes.

satisfy

v. to make somebody pleased by giving them what they want or need

synonym: please, amuse, meet

(1) **satisfy** a desire, (2) **satisfy** a user's needs
Did this response **satisfy** your request?

guinea

n. a former British gold coin worth 21 shillings or a unit of currency used in some West African countries; (Guinea) a republic in western Africa on the Atlantic

synonym: coin, money, currency

(1) **guinea** coins, (2) **guinea** pig

The cost of the antique vase is three **guineas**.

suffer

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

synonym: endure, undergo, tolerate

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

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

barrier

n. a fence or other obstruction that makes it hard to move or get in; any condition that makes it difficult to make progress or to achieve an objective

synonym: border, barricade, fence

(1) cost **barrier**, (2) information **barrier**

The police placed a **barrier** across the street to halt traffic.

refrigerator

n. an appliance or device used for preserving and cooling food and beverages by maintaining a low temperature within a closed compartment

synonym: fridge, cooler, icebox

(1) **refrigerator** magnet, (2) empty **refrigerator**

Don't forget to put the eggs in the **refrigerator** after you've used them.

chill

n. a feeling of coldness that makes one shiver; (verb) to make cool or cooler

synonym: coldness, coolness, (verb) freeze

(1) the **chill** of autumn, (2) feel a slight **chill**

His swear words cast a **chill** on the party.

incidence

n. the frequency or rate at which a particular event or condition occurs within a specific population, group, or area; the occurrence or manifestation of something, especially something harmful or unpleasant

synonym : occurrence, frequency, prevalence

(1) **incidence** rate, (2) high **incidence** of disease

The **incidence** of crime has decreased in the neighborhood since the new security measures were put in place.

papillomavirus

n. a family of viruses that cause the growth of warts and can lead to the development of certain cancers; transmitted through skin-to-skin contact, usually during sexual activity

synonym : HPV

(1) human **papillomavirus**, (2) **papillomavirus-related** disease

The **papillomavirus** vaccine has been proven effective in preventing certain types of cancer.

cervical

adj. relating to the neck or the cervix (= the narrow passage forming the lower end of the uterus)

synonym : cervical, neck, spinal

(1) **cervical** cancer, (2) **cervical** spine

She must undergo a **cervical** screening to check for abnormalities in her reproductive system.

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.

infectious

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

synonym : contagious, epidemic, transmittable

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

Leprosy is an indolent **infectious** disease.

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.

historic

adj. famous or significant in history, or potentially so

synonym: memorable, momentous, historical

(1) **historic** accomplishment, (2) achieve the **historic** feat

The Chinese people have accomplished several **historic** feats.

footnote

n. a note of additional information provided at the bottom of a page in a book or document, often indicated by a superscript number or symbol in the main text

synonym: annotation, comment, reference

(1) **footnote** citation, (2) add a **footnote**

I included a **footnote** in my essay to provide additional information and sources for my argument.

alternative

n. one of two or more available possibilities or choice

synonym: choice, option

(1) an **alternative** plan, (2) there is no other **alternative**

Doctors are gradually coming around to the idea of using **alternative** medicines.

Session 2: Spelling

1. int_____ion education
n. a preliminary explanation or remarks given before the start of a text, performance, or event; the act of bringing something new into existence or introducing something to a wider audience or new market
2. manually op_____e a machine
v. to work in a particular way; to supervise something
3. a coordinate a__s
n. a real or imaginary straight line through a body or figure around which the object turns; a group of countries in special alliance
4. PhD ca_____te
n. a person who is seeking or being considered for some kind of position, title, honor, or award; a job applicant
5. ac_____e success
v. to successfully complete a task or goal, often through hard work, perseverance, and dedication; to attain or accomplish something that one has set out to do
6. bankrupt cr_____or
n. a person, company, etc. to whom a debtor owes money
7. mic_____pe slide
n. an instrument used to see objects or substances that are too small to be seen with the naked eye
8. a fatal in___y
n. harm done to a person's or an animal's body caused by an accident or an attack

ANSWERS: 1. introduction, 2. operate, 3. axis, 4. candidate, 5. achieve, 6. creditor, 7. microscope, 8. injury

9. market pen_____on *n.* the act or process of penetrating or entering something, often forcefully or with difficulty; the depth or extent to which something has been entered or understood
10. hazardous li____d *n.* a substance, such as water or oil that flows freely and is neither a solid nor a gas
11. ex_____e sports *adj.* very great in amount or degree
12. sys_____ic botany *adj.* done or acting according to a determined set of systems or plans:
13. sp_____en collection *n.* an individual example or sample of something, typically used to represent a larger group or category
14. sewing ne____e *n.* a thin, pointed object typically used for sewing or medical purposes; a metal or plastic instrument used for administering injections or drawing blood
15. jazz imp_____ion *n.* the act of making something up on the spot or creating or performing something without preparation
16. viral an_____n *n.* a substance that triggers the body's immune response (= the reaction for fighting infections) for defending the body, especially by producing antibodies (= proteins that identify and attack harmful bacteria, viruses, etc.)
17. a sys_____ic reformation *adj.* done or acting according to a determined set of systems or plans:

ANSWERS: 9. penetration, 10. liquid, 11. extreme, 12. systematic, 13. specimen, 14. needle, 15. improvisation, 16. antigen, 17. systematic

- | | | |
|---------------------------------------|------|---|
| 18. de___e a literary plot | v. | to come up with an idea, plan, theory, etc., using your intelligence or imagination |
| 19. di_____e this kind of food | v. | to not like someone or something |
| 20. ancestral bir_____ces | n. | the house, town, etc., where someone was born |
| 21. en_____ly satisfied with the meal | adv. | completely |
| 22. ob_____s reasons | adj. | easy to see, discover or understand |
| 23. re___e the materials | v. | to use something again or more than once |
| 24. hi_____ic accomplishment | adj. | famous or significant in history, or potentially so |
| 25. ref_____te perishable | v. | to cool or preserve food or other items by using a refrigerator or other cold storage device; to keep something at a low temperature to prevent spoilage or degradation |
| 26. na_____ve poetry | n. | a story or a description of a series of events or process of telling a story |
| 27. provide ad_____te funding | adj. | enough, acceptable, satisfactory for a particular purpose or need |
| 28. at___n a complete victory | v. | to achieve or reach a goal or level of success |
| 29. gu___a pig | n. | a former British gold coin worth 21 shillings or a unit of currency used in some West African countries; (Guinea) a republic in western Africa on the Atlantic |

ANSWERS: 18. devise, 19. dislike, 20. birthplace, 21. entirely, 22. obvious, 23. reuse, 24. historic, 25. refrigerate, 26. narrative, 27. adequate, 28. attain, 29. guinea

30. poor san_____on *n.* the process of maintaining a clean and hygienic environment, particularly in public health and safety contexts; the practice of disposing of waste products in a safe and appropriate manner
31. the cell of the im___e system *adj.* protected against a particular disease or toxin due to the presence of specific antibodies or sensitized white blood cells
32. 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
33. in_____te an error *v.* to show, point out, or make known something, often through a sign or a symbol; to suggest or imply something without stating it directly
34. ca_____te selection *n.* a person who is seeking or being considered for some kind of position, title, honor, or award; a job applicant
35. a jar of j_m *n.* a situation in which something becomes stuck because of a dense crowd of people, vehicles, etc.; a preserve of crushed fruit
36. ind_____us worker *adj.* hardworking, diligent, and persistent in effort
37. im_____e the test score *v.* to make or become better
38. ma_____in good health *v.* to continue to uphold or sustain; to keep in a particular state or condition; to assert or declare something to be true

ANSWERS: 30. sanitation, 31. immune, 32. cancer, 33. indicate, 34. candidate, 35. jam, 36. industrious, 37. improve, 38. maintain

39. illegal in_____er *n.* someone who enters a place or situation without permission or invitation; someone who interrupts or interferes in something
40. cutting-edge bio_____al *adj.* relating to the application of the natural sciences, especially biology, and physiology, to clinical medicine and healthcare
41. take ad_____ge of his weak points *n.* a condition or circumstance that puts one in a favorable or superior position; a beneficial feature or asset that someone or something has
42. sop_____ted look *adj.* having a great deal of worldly experience and knowledge of people's behavior, culture, and fashion
43. the th_____ld between rooms *n.* the floor or ground that forms the bottom of a doorway and offers support when passing through a doorway; the smallest detectable sensation
44. score an ad_____ge *n.* a condition or circumstance that puts one in a favorable or superior position; a beneficial feature or asset that someone or something has
45. ta___e the issue *v.* to try to deal with a complex problem or situation
46. a bacterial in_____on *n.* a condition in which pathogenic microorganisms or viruses have entered the body
47. 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: 39. intruder, 40. biomedical, 41. advantage, 42. sophisticated, 43. threshold, 44. advantage, 45. tackle, 46. infection, 47. patent

48. an inf_____us fever *adj.* able to be passed quickly from one person, animal, or plant to another, especially through air or water
49. ex_____ng football player *adj.* causing a lot of interest or excitement
50. sa_____y a user's needs *v.* to make somebody pleased by giving them what they want or need
51. a s__t on his honor *n.* a particular location or place; a small round or roundish area, differing in color or feels from the surface around it
52. buy the company's st__e *n.* a share or financial investment in something such as a business; a wooden or metal post set up to mark something
53. ma_____a mosquitoes *n.* a severe disease caused by a parasite that is spread by the bite of an infected mosquito
54. a civil en_____er *n.* a person whose job is designing, building, or maintaining something such as machines, structures, or software
55. op_____ne occasion *adj.* suitable or happening at a time that is suitable or convenient for a particular purpose
56. the average life s__n *n.* the entire length of something, such as time or space from beginning to end; the amount of space that something covers
57. res_____le action *adj.* answerable or accountable for something within one's power, control, or management

ANSWERS: 48. infectious, 49. exciting, 50. satisfy, 51. spot, 52. stake, 53. malaria, 54. engineer, 55. opportune, 56. span, 57. responsible

58. ex____ng news *adj.* causing a lot of interest or excitement
59. l_b instrument *n.* a workplace for the conduct of scientific research; a laboratory
60. su____r a setback *v.* to experience pain, distress, or hardship; to undergo or endure something painful or unpleasant
61. sy____e injection *n.* a device used for injecting or withdrawing fluids from the body, consisting of a tube and a plunger that creates a vacuum or expels the fluid
62. de____e centigrade *n.* a unit of measurement for angles, temperature, or level of proficiency or achievement; a rank or level of academic or professional attainment
63. ch__n reaction *n.* a series of connected links or objects; a system or group of interconnected elements; a restraint or shackle
64. detect an____n *n.* a substance that triggers the body's immune response (= the reaction for fighting infections) for defending the body, especially by producing antibodies (= proteins that identify and attack harmful bacteria, viruses, etc.)
65. without in____y *n.* harm done to a person's or an animal's body caused by an accident or an attack
66. va____te every year *v.* to treat with a vaccine, usually by injection, to produce immunity against a disease

ANSWERS: 58. exciting, 59. lab, 60. suffer, 61. syringe, 62. degree, 63. chain, 64. antigen, 65. injury, 66. vaccinate

67. personal na_____ve *n.* a story or a description of a series of events or process of telling a story
68. supply ch__n *n.* a series of connected links or objects; a system or group of interconnected elements; a restraint or shackle
69. the br__d of the new car *n.* a type of product, service, etc., made by a particular company and sold under a specific name; identification mark on the skin of livestock, criminals, etc., made by burning
70. hor_____al stripes *adj.* parallel to the ground or in a baseline; being at the same level as all members of a group
71. electron mic_____pe *n.* an instrument used to see objects or substances that are too small to be seen with the naked eye
72. ob___n a bid *v.* to get something, especially by making a great effort
73. the s__n of a bird's wings *n.* the entire length of something, such as time or space from beginning to end; the amount of space that something covers
74. ill_____te a key point *v.* to provide pictures, photographs, diagrams, etc. in a book or something for explanation
75. hor_____al lines *adj.* parallel to the ground or in a baseline; being at the same level as all members of a group
76. 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

ANSWERS: 67. narrative, 68. chain, 69. brand, 70. horizontal, 71. microscope, 72. obtain, 73. span, 74. illustrate, 75. horizontal, 76. tuberculosis

77. br___h of privacy *n.* a break or opening, often in a wall or barrier, which enables passage or entry; a violation or infraction of a law, agreement, or duty, often resulting in legal action or punishment
78. sy_____e needle *n.* a device used for injecting or withdrawing fluids from the body, consisting of a tube and a plunger that creates a vacuum or expels the fluid
79. 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
80. 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
81. human pap_____rus *n.* a family of viruses that cause the growth of warts and can lead to the development of certain cancers; transmitted through skin-to-skin contact, usually during sexual activity
82. a wide sl___e *n.* a part of a garment that covers all or part of an arm
83. sem_____tor industry *n.* a material or substance that can conduct electricity under certain conditions but not others, often used in electronic devices
84. di_____e prevention *n.* a disorder or illness that affects the body or mind, often characterized by specific symptoms or abnormal functioning of organs or systems

ANSWERS: 77. breach, 78. syringe, 79. disease, 80. patent, 81. papillomavirus, 82. sleeve, 83. semiconductor, 84. disease

85. he was en_____ly to blame *adv.* completely
86. tracking de___e *n.* a piece of equipment, tool, or technology that serves a particular purpose or function, often mechanical or electronic
87. sem_____tor device *n.* a material or substance that can conduct electricity under certain conditions but not others, often used in electronic devices
88. soil con_____ion *n.* the presence of something harmful or unwanted in a substance, material, or environment; the act of introducing harmful substances or materials into an environment or area
89. prince ro__l *adj.* relating to or belonging to the king or queen or a member of their family
90. sl_____ly alkaline soils *adv.* in a small degree or extent; a little
91. 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.)
92. with de_____t *n.* a feeling of great pleasure or happiness
93. die su_____ly *adv.* quickly and unexpectedly
94. pap_____rus-related disease *n.* a family of viruses that cause the growth of warts and can lead to the development of certain cancers; transmitted through skin-to-skin contact, usually during sexual activity

ANSWERS: 85. entirely, 86. device, 87. semiconductor, 88. contamination, 89. royal, 90. slightly, 91. vaccine, 92. delight, 93. suddenly, 94. papillomavirus

95. botanical sp_____en *n.* an individual example or sample of something, typically used to represent a larger group or category
96. feel a slight ch__l *n.* a feeling of coldness that makes one shiver; (verb) to make cool or cooler
97. 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.)
98. a te_____ue in martial arts *n.* a particular way or art of doing something that needs skill
99. an epidemic outbreak of in_____za *n.* (formal for flu) a highly contagious viral disease that causes fever, severe aching, and catarrh and often occurs in epidemics
100. the in_____on of new techniques *n.* the creation of a new device or process resulting from study and experimentation; the act of inventing
101. imm_____ly recall a product *adv.* now or without delay
102. lab_____ry accident *n.* a workplace for doing scientific research or teaching science; a lab
103. empty ref_____tor *n.* an appliance or device used for preserving and cooling food and beverages by maintaining a low temperature within a closed compartment
104. the ch__l of autumn *n.* a feeling of coldness that makes one shiver; (verb) to make cool or cooler

ANSWERS: 95. specimen, 96. chill, 97. vaccine, 98. technique, 99. influenza, 100. invention, 101. immediately, 102. laboratory, 103. refrigerator, 104. chill

105. dis_____ly different *adv.* in a way that is clearly or noticeably different or separates from something else; in a way that is unmistakably or unequivocally defined or identifiable
106. ga___e \$100 on the race *v.* to take risky action in the hope of being successful; to play or game for money or other stakes
107. es_____te this chicken to weigh three pounds *v.* to guess or calculate the cost, size, value, etc. of something
108. ma_____in order *v.* to continue to uphold or sustain; to keep in a particular state or condition; to assert or declare something to be true
109. person's smile is inf_____us *adj.* able to be passed quickly from one person, animal, or plant to another, especially through air or water
110. treat the in_____on with antibiotics *n.* a condition in which pathogenic microorganisms or viruses have entered the body
111. fo_____te citation *n.* a note of additional information provided at the bottom of a page in a book or document, often indicated by a superscript number or symbol in the main text
112. cost ba_____r *n.* a fence or other obstruction that makes it hard to move or get in; any condition that makes it difficult to make progress or to achieve an objective
113. electronic de___e *n.* a piece of equipment, tool, or technology that serves a particular purpose or function, often mechanical or electronic

ANSWERS: 105. distinctly, 106. gamble, 107. estimate, 108. maintain, 109. infectious, 110. infection, 111. footnote, 112. barrier, 113. device

114. consult with a ph_____an *n.* a medical doctor who practices medicine
115. imp_____ion on stage *n.* the act of making something up on the spot or creating or performing something without preparation
116. 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
117. es_____te a fair value *v.* to guess or calculate the cost, size, value, etc. of something
118. sl__e a card across the table *v.* to move or cause to move smoothly along a surface without interruption
119. medical l_b *n.* a workplace for the conduct of scientific research; a laboratory
120. at_____te the change to their marriage *v.* to say or regard that something is the result of a particular thing; (noun) a quality or feature that someone or something possesses;
121. an alt_____ve plan *n.* one of two or more available possibilities or choice
122. e__h a metal plate *v.* to carve, cut, or engrave (a design or text) into a hard surface; to corrode, erode or eat away at a metal surface using acid or another chemical substance to create a design or pattern
123. re__t at a high temperature *v.* to take action in response to something
124. a g__d design *n.* a pattern of regularly spaced horizontal and vertical lines; a system of high tension cables by which electrical power is distributed throughout a region

ANSWERS: 114. physician, 115. improvisation, 116. cancer, 117. estimate, 118. slide, 119. lab, 120. attribute, 121. alternative, 122. etch, 123. react, 124. grid

125. st__n the carpet *v.* to discolor, defile, or tarnish something; (noun) a discoloration or dirty mark on a surface that is difficult to remove
126. software ro____t *n.* the introduction or implementation of a new product, service, or system, particularly one that has been planned and developed over a period of time
127. seems to be highly pro____ic *adj.* full of difficulties; difficult to deal with or solve
128. in____le stars *adj.* impossible or nearly impossible to see
129. sl__e a glance *v.* to move or cause to move smoothly along a surface without interruption
130. r_d the body of waste products *v.* to make someone or something free of unwanted or unpleasant tasks, objects, or person
131. re__e existing knowledge *v.* to use something again or more than once
132. fu____on properly *n.* the purpose or use of an object, system, or process; a particular activity or operation that is designed to serve a specific purpose; a mathematical concept that describes a relationship between two sets of values, called the input and output sets; (verb) to operate or work in a specific way, or to perform a particular task or purpose
133. red wine st__n *v.* to discolor, defile, or tarnish something; (noun) a discoloration or dirty mark on a surface that is difficult to remove

ANSWERS: 125. stain, 126. rollout, 127. problematic, 128. invisible, 129. slide, 130. rid, 131. reuse, 132. function, 133. stain

134. di_____d old beliefs *v.* to throw something away or get rid of something that you no longer wanted or need
135. the sho_____ng in the system *n.* a lack or deficiency in a particular respect; a fault or defect
136. ph___a treatment *n.* an extreme or irrational fear of a particular object, person, situation, or activity; a type of anxiety disorder
137. increase sl_____ly *adv.* in a small degree or extent; a little
138. mo__t a counterattack *v.* to increase, go up, or advance gradually or continuously; to prepare and supply with the necessary equipment for execution or performance; to ride on something or someone
139. learning cu__e *n.* a bend or angle in a line or surface that deviates from a straight or flat path; a gradual or smooth change in direction or shape
140. help ta___e climate change *v.* to try to deal with a complex problem or situation
141. special de_____ry *n.* the act of taking or sending something to a destination; the bringing of a baby during childbirth
142. there is no other alt_____ve *n.* one of two or more available possibilities or choice
143. school req_____nt *n.* something that is needed or wanted
144. op_____e 24 hours a day *v.* to work in a particular way; to supervise something

ANSWERS: 134. discard, 135. shortcoming, 136. phobia, 137. slightly, 138. mount, 139. curve, 140. tackle, 141. delivery, 142. alternative, 143. requirement, 144. operate

145. security br___h *n.* a break or opening, often in a wall or barrier, which enables passage or entry; a violation or infraction of a law, agreement, or duty, often resulting in legal action or punishment
146. pair of id_____al twins *adj.* being the exact same one
147. vertical a__s *n.* a real or imaginary straight line through a body or figure around which the object turns; a group of countries in special alliance
148. ga___e away my fortune *v.* to take risky action in the hope of being successful; to play or game for money or other stakes
149. an in_____le asset *adj.* impossible or nearly impossible to see
150. ve_____al takeoff *adj.* upright or perpendicular to a horizontal surface or line
151. emotional p__p *n.* a piece of wood, metal, etc., placed beneath or against something to support it or keep it in position; a system, institution, or person that gives help or support to someone or something
152. a sop_____ted lifestyle *adj.* having a great deal of worldly experience and knowledge of people's behavior, culture, and fashion
153. a gear change le__r *n.* a handle used to operate a vehicle or a machine; a rigid bar resting on a pivot so that one end of it can be pushed or pulled easily

ANSWERS: 145. breach, 146. identical, 147. axis, 148. gamble, 149. invisible, 150. vertical, 151. prop, 152. sophisticated, 153. lever

154. ar__e passionately *v.* to express differing opinions or points of view, often in a heated or contentious manner; to present a case or reasoning to persuade or convince others
155. a traffic j_m *n.* a situation in which something becomes stuck because of a dense crowd of people, vehicles, etc.; a preserve of crushed fruit
156. ce____al cancer *adj.* relating to the neck or the cervix (= the narrow passage forming the lower end of the uterus)
157. san_____on standards *n.* the process of maintaining a clean and hygienic environment, particularly in public health and safety contexts; the practice of disposing of waste products in a safe and appropriate manner
158. en_____er shortage *n.* a person whose job is designing, building, or maintaining something such as machines, structures, or software
159. re___e a message *v.* to establish a connection or association between two or more things; to narrate or tell about an event, experience, or relationship; to empathize or feel sympathy with someone or something
160. rechargeable lithium-i_n battery *n.* an atom or molecule that has a positive or negative electrical charge caused by its losing or gained one or more electrons
161. r__l a ball *v.* to move in a particular direction by turning over and over or from side to side

ANSWERS: 154. argue, 155. jam, 156. cervical, 157. sanitation, 158. engineer, 159. relate, 160. ion, 161. roll

162. yield cu__e *n.* a bend or angle in a line or surface that deviates from a straight or flat path; a gradual or smooth change in direction or shape
163. pen_____on testing *n.* the act or process of penetrating or entering something, often forcefully or with difficulty; the depth or extent to which something has been entered or understood
164. bio_____al assay *adj.* relating to the application of the natural sciences, especially biology, and physiology, to clinical medicine and healthcare
165. a ro__l palace *adj.* relating to or belonging to the king or queen or a member of their family
166. the te_____ue applied to construction *n.* a particular way or art of doing something that needs skill
167. execution by burning at a st__e *n.* a share or financial investment in something such as a business; a wooden or metal post set up to mark something
168. meet req_____nt *n.* something that is needed or wanted
169. con_____ion levels *n.* the presence of something harmful or unwanted in a substance, material, or environment; the act of introducing harmful substances or materials into an environment or area
170. de___e a plan *v.* to come up with an idea, plan, theory, etc., using your intelligence or imagination

ANSWERS: 162. curve, 163. penetration, 164. biomedical, 165. royal, 166. technique, 167. stake, 168. requirement, 169. contamination, 170. devise

171. re___e a story *v.* to establish a connection or association between two or more things; to narrate or tell about an event, experience, or relationship; to empathize or feel sympathy with someone or something
172. add a fo_____te *n.* a note of additional information provided at the bottom of a page in a book or document, often indicated by a superscript number or symbol in the main text
173. permanently ne_____l country *adj.* not helping or assisting either side in a conflict, argument, etc.
174. common in_____on *n.* the creation of a new device or process resulting from study and experimentation; the act of inventing
175. a pro_____ic situation *adj.* full of difficulties; difficult to deal with or solve
176. dis_____ly remember *adv.* in a way that is clearly or noticeably different or separates from something else; in a way that is unmistakably or unequivocally defined or identifiable
177. ind_____us student *adj.* hardworking, diligent, and persistent in effort
178. information ba_____r *n.* a fence or other obstruction that makes it hard to move or get in; any condition that makes it difficult to make progress or to achieve an objective
179. the advice of the ph_____an *n.* a medical doctor who practices medicine

ANSWERS: 171. relate, 172. footnote, 173. neutral, 174. invention, 175. problematic, 176. distinctly, 177. industrious, 178. barrier, 179. physician

180. bachelor's de___e *n.* a unit of measurement for angles, temperature, or level of proficiency or achievement; a rank or level of academic or professional attainment
181. a tremor of de____t *n.* a feeling of great pleasure or happiness
182. ro____t strategy *n.* the introduction or implementation of a new product, service, or system, particularly one that has been planned and developed over a period of time
183. sa____y a desire *v.* to make somebody pleased by giving them what they want or need
184. re__t against his way of thinking *v.* to take action in response to something
185. ce____al spine *adj.* relating to the neck or the cervix (= the narrow passage forming the lower end of the uterus)
186. re____e CO2 into the air *v.* to set free or allow to escape from confinement
187. 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
188. in____ce rate *n.* the frequency or rate at which a particular event or condition occurs within a specific population, group, or area; the occurrence or manifestation of something, especially something harmful or unpleasant
189. high in____ce of disease *n.* the frequency or rate at which a particular event or condition occurs within a specific population, group, or area; the occurrence or manifestation of something, especially something harmful or unpleasant

ANSWERS: 180. degree, 181. delight, 182. rollout, 183. satisfy, 184. react, 185. cervical, 186. release, 187. germ, 188. incidence, 189. incidence

190. le__r for reform *n.* a handle used to operate a vehicle or a machine; a rigid bar resting on a pivot so that one end of it can be pushed or pulled easily
191. di____d the downloaded data *v.* to throw something away or get rid of something that you no longer wanted or need
192. ma____a-endemic area *n.* a severe disease caused by a parasite that is spread by the bite of an infected mosquito
193. an easy de____ry *n.* the act of taking or sending something to a destination; the bringing of a baby during childbirth
194. ne____l colors *adj.* not helping or assisting either side in a conflict, argument, etc.
195. ob___n a license *v.* to get something, especially by making a great effort
196. im____e a process *v.* to make or become better
197. anthropology lab____ry *n.* a workplace for doing scientific research or teaching science; a lab
198. ref____te medicine *v.* to cool or preserve food or other items by using a refrigerator or other cold storage device; to keep something at a low temperature to prevent spoilage or degradation
199. high pain th____ld *n.* the floor or ground that forms the bottom of a doorway and offers support when passing through a doorway; the smallest detectable sensation

ANSWERS: 190. lever, 191. discard, 192. malaria, 193. delivery, 194. neutral, 195. obtain, 196. improve, 197. laboratory, 198. refrigerate, 199. threshold

200. ar__e a case
v. to express differing opinions or points of view, often in a heated or contentious manner; to present a case or reasoning to persuade or convince others
201. de_____p a skill
v. to grow or expand; to improve or refine through a process of progress and refinement, often to achieve greater sophistication or complexity; to elaborate or add detail to something that is in the process of being created
202. sl___e length
n. a part of a garment that covers all or part of an arm
203. bir_____ce of modern soccer
n. the house, town, etc., where someone was born
204. ill_____te a story
v. to provide pictures, photographs, diagrams, etc. in a book or something for explanation
205. e__h a design into wood
v. to carve, cut, or engrave (a design or text) into a hard surface; to corrode, erode or eat away at a metal surface using acid or another chemical substance to create a design or pattern
206. ref_____ion technology
n. the process of cooling or freezing something, especially food, to preserve it
207. ve_____al axis
adj. upright or perpendicular to a horizontal surface or line
208. ma_____a flowers
n. a bright, purplish-red color named after a plant that was once used to produce a dye with a similar hue

ANSWERS: 200. argue, 201. develop, 202. sleeve, 203. birthplace, 204. illustrate, 205. etch, 206. refrigeration, 207. vertical, 208. magenta

209. di____e speaking in public *v.* to not like someone or something
210. write him an answer imm_____ly *adv.* now or without delay
211. achieve the hi____ic feat *adj.* famous or significant in history, or potentially so
212. ref_____ion car *n.* the process of cooling or freezing something, especially food, to preserve it
213. re___e permanently *v.* to live in a particular place, typically for a prolonged period of time
214. ad_____te parking facilities *adj.* enough, acceptable, satisfactory for a particular purpose or need
215. ref_____tor magnet *n.* an appliance or device used for preserving and cooling food and beverages by maintaining a low temperature within a closed compartment
216. at_____te directly to sales *v.* to say or regard that something is the result of a particular thing; (noun) a quality or feature that someone or something possesses;
217. su___r bad grades *v.* to experience pain, distress, or hardship; to undergo or endure something painful or unpleasant
218. r__l down his cheeks *v.* to move in a particular direction by turning over and over or from side to side
219. colorless li___d *n.* a substance, such as water or oil that flows freely and is neither a solid nor a gas

ANSWERS: 209. dislike, 210. immediately, 211. historic, 212. refrigeration, 213. reside, 214. adequate, 215. refrigerator, 216. attribute, 217. suffer, 218. roll, 219. liquid

220. the cr____or's claims *n.* a person, company, etc. to whom a debtor owes money
221. ac____e milestones *v.* to successfully complete a task or goal, often through hard work, perseverance, and dedication; to attain or accomplish something that one has set out to do
222. infrared in____er system *n.* someone who enters a place or situation without permission or invitation; someone who interrupts or interferes in something
223. p__p stick *n.* a piece of wood, metal, etc., placed beneath or against something to support it or keep it in position; a system, institution, or person that gives help or support to someone or something
224. 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
225. in____te a preference *v.* to show, point out, or make known something, often through a sign or a symbol; to suggest or imply something without stating it directly
226. mo__t a hill *v.* to increase, go up, or advance gradually or continuously; to prepare and supply with the necessary equipment for execution or performance; to ride on something or someone
227. im____e from criminal prosecution *adj.* protected against a particular disease or toxin due to the presence of specific antibodies or sensitized white blood cells

ANSWERS: 220. creditor, 221. achieve, 222. intruder, 223. prop, 224. germ, 225. indicate, 226. mount, 227. immune

228. have a serious sho_____ng *n.* a lack or deficiency in a particular respect; a fault or defect
229. res_____le for a customer service *adj.* answerable or accountable for something within one's power, control, or management
230. create a br__d logo *n.* a type of product, service, etc., made by a particular company and sold under a specific name; identification mark on the skin of livestock, criminals, etc., made by burning
231. ne___e prick *n.* a thin, pointed object typically used for sewing or medical purposes; a metal or plastic instrument used for administering injections or drawing blood
232. i_n channel *n.* an atom or molecule that has a positive or negative electrical charge caused by its losing or gained one or more electrons
233. a wire g__d *n.* a pattern of regularly spaced horizontal and vertical lines; a system of high tension cables by which electrical power is distributed throughout a region
234. therapeutic imm_____ity *n.* the ability of a substance, typically a vaccine or antigen, to induce an immune response in the body, which refers to the capacity of the substance to elicit the production of immune cells and antibodies, leading to an immune reaction and the development of immune memory

ANSWERS: 228. shortcoming, 229. responsible, 230. brand, 231. needle, 232. ion, 233. grid, 234. immunogenicity

235. re___e on the skin *v.* to live in a particular place, typically for a prolonged period of time
236. self-int_____ion *n.* a preliminary explanation or remarks given before the start of a text, performance, or event; the act of bringing something new into existence or introducing something to a wider audience or new market
237. social ph___a *n.* an extreme or irrational fear of a particular object, person, situation, or activity; a type of anxiety disorder
238. ma_____a ink *n.* a bright, purplish-red color named after a plant that was once used to produce a dye with a similar hue
239. beauty s__t *n.* a particular location or place; a small round or roundish area, differing in color or feels from the surface around it
240. his conclusion was ob____s *adj.* easy to see, discover or understand
241. imm_____ity assay *n.* the ability of a substance, typically a vaccine or antigen, to induce an immune response in the body, which refers to the capacity of the substance to elicit the production of immune cells and antibodies, leading to an immune reaction and the development of immune memory
242. an id_____al equation *adj.* being the exact same one
243. 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

ANSWERS: 235. reside, 236. introduction, 237. phobia, 238. magenta, 239. spot, 240. obvious, 241. immunogenicity, 242. identical, 243. tuberculosis

244. immune fu____on *n.* the purpose or use of an object, system, or process; a particular activity or operation that is designed to serve a specific purpose; a mathematical concept that describes a relationship between two sets of values, called the input and output sets; (verb) to operate or work in a specific way, or to perform a particular task or purpose
245. at____n success *v.* to achieve or reach a goal or level of success
246. va_____te against scarlet fever *v.* to treat with a vaccine, usually by injection, to produce immunity against a disease
247. ex_____e weather events *adj.* very great in amount or degree
248. de_____p a strategy *v.* to grow or expand; to improve or refine through a process of progress and refinement, often to achieve greater sophistication or complexity; to elaborate or add detail to something that is in the process of being created
249. an op_____ne remark *adj.* suitable or happening at a time that is suitable or convenient for a particular purpose
250. su_____ly attacked by an enemy *adv.* quickly and unexpectedly
251. in_____za B strain *n.* (formal for flu) a highly contagious viral disease that causes fever, severe aching, and catarrh and often occurs in epidemics

ANSWERS: 244. function, 245. attain, 246. vaccinate, 247. extreme, 248. develop, 249. opportune, 250. suddenly, 251. influenza

252. re____e a prisoner

v. to set free or allow to escape from confinement

253. gu____a coins

n. a former British gold coin worth 21 shillings or a unit of currency used in some West African countries; (Guinea) a republic in western Africa on the Atlantic

254. get r_d of the rats

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

ANSWERS: 252. release, 253. guinea, 254. rid

Session 3: Fill in the Blanks

1. The brain is an incredibly complex organ that controls the body's _____.
n. the purpose or use of an object, system, or process; a particular activity or operation that is designed to serve a specific purpose; a mathematical concept that describes a relationship between two sets of values, called the input and output sets; (verb) to operate or work in a specific way, or to perform a particular task or purpose
2. My accidental _____ got better right away.
n. harm done to a person's or an animal's body caused by an accident or an attack
3. The vaccination does not necessarily make you completely _____.
adj. protected against a particular disease or toxin due to the presence of specific antibodies or sensitized white blood cells
4. This initiative will be a _____ for increasing company sales.
n. a handle used to operate a vehicle or a machine; a rigid bar resting on a pivot so that one end of it can be pushed or pulled easily
5. The supermarket had a large _____ section with all kinds of fresh produce.
n. the process of cooling or freezing something, especially food, to preserve it
6. There are _____ differences between the two wine-producing regions.
adj. easy to see, discover or understand
7. She received her _____ in psychology from the university.
n. a unit of measurement for angles, temperature, or level of proficiency or achievement; a rank or level of academic or professional attainment

ANSWERS: 1. function, 2. injury, 3. immune, 4. lever, 5. refrigeration, 6. obvious, 7. degree

8. She is willing to give up her position in the _____ family to marry him.
adj. relating to or belonging to the king or queen or a member of their family
9. Solar gravity creates _____ pressures and temperatures.
adj. very great in amount or degree
10. The _____ vaccine has been proven effective in preventing certain types of cancer.
n. a family of viruses that cause the growth of warts and can lead to the development of certain cancers; transmitted through skin-to-skin contact, usually during sexual activity
11. The _____ platform focused on healthcare reform and reducing income inequality.
n. a person who is seeking or being considered for some kind of position, title, honor, or award; a job applicant
12. He moved his body _____ to the left.
adv. in a small degree or extent; a little
13. I need to _____ my car regularly to prevent any major mechanical issues.
v. to continue to uphold or sustain; to keep in a particular state or condition; to assert or declare something to be true
14. The allegations of corruption _____ her reputation, and she struggled to regain public trust.
v. to discolor, defile, or tarnish something; (noun) a discoloration or dirty mark on a surface that is difficult to remove
15. The acupuncturist inserted _____ into specific points on my body to alleviate my pain.
n. a thin, pointed object typically used for sewing or medical purposes; a metal or plastic instrument used for administering injections or drawing blood

ANSWERS: 8. royal, 9. extreme, 10. papillomavirus, 11. candidate's, 12. slightly, 13. maintain, 14. stained, 15. needles

16. The findings of the experiment were both _____ and unexpected.
adj. causing a lot of interest or excitement
17. We _____ the season's total trade deficit at \$50 billion.
v. to guess or calculate the cost, size, value, etc. of something
18. The supermarket encourages shoppers to _____ plastic bags.
v. to use something again or more than once
19. He _____ the old torn shirt and bought a new one.
v. to throw something away or get rid of something that you no longer wanted or need
20. If necessary, you can _____ the front seats forward.
v. to move or cause to move smoothly along a surface without interruption
21. He slightly modified the _____ of training because it was just before a match.
n. the entire length of something, such as time or space from beginning to end; the amount of space that something covers
22. We want to _____ ties between our two countries.
v. to make or become better
23. His swear words cast a _____ on the party.
n. a feeling of coldness that makes one shiver; (verb) to make cool or cooler
24. The ladder leaned against the _____ surface of the building.
adj. upright or perpendicular to a horizontal surface or line

ANSWERS: 16. exciting, 17. estimated, 18. reuse, 19. discarded, 20. slide, 21. span, 22. improve, 23. chill, 24. vertical

25. The phone rang at the most _____ time.

adj. suitable or happening at a time that is suitable or convenient for a particular purpose

26. They had to _____ a system that did not depend on fossil fuels.

v. to come up with an idea, plan, theory, etc., using your intelligence or imagination

27. 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

28. Later, his claim was found to be _____ false.

adv. completely

29. The _____ of the water supply led to widespread illness in the community.

n. the presence of something harmful or unwanted in a substance, material, or environment; the act of introducing harmful substances or materials into an environment or area

30. We need to _____ the leftovers to keep them from spoiling.

v. to cool or preserve food or other items by using a refrigerator or other cold storage device; to keep something at a low temperature to prevent spoilage or degradation

31. The _____ floral scent of the perfume lingered in the air long after the wearer had left the room.

adv. in a way that is clearly or noticeably different or separates from something else; in a way that is unmistakably or unequivocally defined or identifiable

ANSWERS: 25. opportune, 26. devise, 27. responsible, 28. entirely, 29. contamination, 30. refrigerate, 31. distinctly

32. Many people in tropical countries die from _____ every year.
- n.* a severe disease caused by a parasite that is spread by the bite of an infected mosquito
33. The phenomenon is _____ at optical wavelengths.
- adj.* impossible or nearly impossible to see
34. The _____ of crime has decreased in the neighborhood since the new security measures were put in place.
- n.* the frequency or rate at which a particular event or condition occurs within a specific population, group, or area; the occurrence or manifestation of something, especially something harmful or unpleasant
35. I used an optical _____ to observe the small organisms in the water sample.
- n.* an instrument used to see objects or substances that are too small to be seen with the naked eye
36. Don't forget to put the eggs in the _____ after you've used them.
- n.* an appliance or device used for preserving and cooling food and beverages by maintaining a low temperature within a closed compartment
37. This remote _____ is rarely visited.
- n.* a particular location or place; a small round or roundish area, differing in color or feels from the surface around it
38. He was exhausted and _____ into bed as soon as he got home.
- v.* to move in a particular direction by turning over and over or from side to side
39. Will you _____ on the result of the fight?
- v.* to take risky action in the hope of being successful; to play or game for money or other stakes

ANSWERS: 32. malaria, 33. invisible, 34. incidence, 35. microscope, 36. refrigerator, 37. spot, 38. rolled, 39. gamble

40. I included a _____ in my essay to provide additional information and sources for my argument.

- n.* a note of additional information provided at the bottom of a page in a book or document, often indicated by a superscript number or symbol in the main text

41. The cost of the antique vase is three _____.

- n.* a former British gold coin worth 21 shillings or a unit of currency used in some West African countries; (Guinea) a republic in western Africa on the Atlantic

42. The research institute allocated a lot of money to study the cause and prevention of _____.

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

43. Did this response _____ your request?

- v.* to make somebody pleased by giving them what they want or need

44. _____ 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

45. The earth's _____ of rotation is tilted 66.5 degrees to the ecliptic plane.

- n.* a real or imaginary straight line through a body or figure around which the object turns; a group of countries in special alliance

46. The data _____ that the company's profits have steadily increased over the past quarter.

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

ANSWERS: 40. footnote, 41. guineas, 42. influenza, 43. satisfy, 44. Tuberculosis, 45. axis, 46. indicates

47. The sponge takes up the _____ well.

- n.* a substance, such as water or oil that flows freely and is neither a solid nor a gas

48. Necessity is the mother of _____.

- n.* the creation of a new device or process resulting from study and experimentation; the act of inventing

49. He _____ the disappointing results to the economic downturn.

- v.* to say or regard that something is the result of a particular thing; (noun) a quality or feature that someone or something possesses;

50. The couple began to _____ over which restaurant to go to for dinner.

- v.* to express differing opinions or points of view, often in a heated or contentious manner; to present a case or reasoning to persuade or convince others

51. He used a sharp tool to _____ his initials onto the metal.

- v.* to carve, cut, or engrave (a design or text) into a hard surface; to corrode, erode or eat away at a metal surface using acid or another chemical substance to create a design or pattern

52. Direct democracy is effective in quickly resolving _____ situations within a community.

- adj.* full of difficulties; difficult to deal with or solve

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

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

54. The _____ on my bike broke, leaving me stranded.

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

ANSWERS: 47. liquid, 48. invention, 49. attributes, 50. argue, 51. etch, 52. problematic, 53. achieve, 54. chain

55. We have finally lost our last _____.

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

56. Jockey's superior _____ brought him victory.

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

57. The company's data _____ compromised thousands of customers' personal information.

- n.* a break or opening, often in a wall or barrier, which enables passage or entry; a violation or infraction of a law, agreement, or duty, often resulting in legal action or punishment

58. Doctors are gradually coming around to the idea of using _____ medicines.

- n.* one of two or more available possibilities or choice

59. A suspension order from the court is effective _____.

- adv.* now or without delay

60. He created a beautiful piece of music using only _____.

- n.* the act of making something up on the spot or creating or performing something without preparation

61. He rolled up his _____ to get ready to work.

- n.* a part of a garment that covers all or part of an arm

62. One of the main _____ of the new product is its increased efficiency.

- n.* a condition or circumstance that puts one in a favorable or superior position; a beneficial feature or asset that someone or something has

ANSWERS: 55. prop, 56. technique, 57. breach, 58. alternative, 59. immediately, 60. improvisation, 61. sleeves, 62. advantages

63. 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
64. The _____ of civilization is a topic of much debate among historians.
- n.* the house, town, etc., where someone was born
65. The company announced the _____ of its new product line next month.
- n.* the introduction or implementation of a new product, service, or system, particularly one that has been planned and developed over a period of time
66. The increased concentrat____ of hydrogen ions in an aqueous solution makes it more acidic.
- n.* an atom or molecule that has a positive or negative electrical charge caused by its losing or gained one or more electrons
67. The _____ truck arrived with the packages.
- n.* the act of taking or sending something to a destination; the bringing of a baby during childbirth
68. They _____ pictures on the paper in preparation for the birthday card.
- v.* to increase, go up, or advance gradually or continuously; to prepare and supply with the necessary equipment for execution or performance; to ride on something or someone
69. Where can I _____ the application form?
- v.* to get something, especially by making a great effort
70. The company's financial records _____ how successful it has been.
- v.* to provide pictures, photographs, diagrams, etc. in a book or something for explanation

ANSWERS: 63. semiconductor, 64. birthplace, 65. rollout, 66. ion, 67. delivery, 68. mounted, 69. obtain, 70. illustrate

71. Infant formulas are nutritionally almost _____ to a mother's breast milk.

adj. being the exact same one

72. He tried to _____ his experience to the group, but they couldn't understand.

v. to establish a connection or association between two or more things; to narrate or tell about an event, experience, or relationship; to empathize or feel sympathy with someone or something

73. Leprosy is an indolent _____ disease.

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

74. The _____ in the road was so sharp that I had to slow down to navigate it safely.

n. a bend or angle in a line or surface that deviates from a straight or flat path; a gradual or smooth change in direction or shape

75. The _____ will repair my telephone tomorrow morning.

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

76. Hospitals must meet various standards to prevent nosocomial _____.

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

77. 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

78. The older man _____ from arthritis and finds it difficult to move around.

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

ANSWERS: 71. identical, 72. relate, 73. infectious, 74. curve, 75. engineer, 76. infections, 77. cancer, 78. suffers

79. _____ engineering focuses on developing new medical technologies and innovations to improve patient health outcomes.
adj. relating to the application of the natural sciences, especially biology, and physiology, to clinical medicine and healthcare
80. He was known to be very _____ and would often work late into the night.
adj. hardworking, diligent, and persistent in effort
81. Science is based on the _____ classification of experience.
adj. done or acting according to a determined set of systems or plans:
82. _____ testing is less accurate than PCR testing but easier to perform.
n. a substance that triggers the body's immune response (= the reaction for fighting infections) for defending the body, especially by producing antibodies (= proteins that identify and attack harmful bacteria, viruses, etc.)
83. The nurse _____ the children in the school.
v. to treat with a vaccine, usually by injection, to produce immunity against a disease
84. The police placed a _____ across the street to halt traffic.
n. a fence or other obstruction that makes it hard to move or get in; any condition that makes it difficult to make progress or to achieve an objective
85. She's on the _____ of adulthood.
n. the floor or ground that forms the bottom of a doorway and offers support when passing through a doorway; the smallest detectable sensation
86. She is determined to _____ her degree in computer science.
v. to achieve or reach a goal or level of success

ANSWERS: 79. Biomedical, 80. industrious, 81. systematic, 82. Antigen, 83. vaccinated, 84. barrier, 85. threshold, 86. attain

87. The shredder in the print room often has paper _____.

- n.* a situation in which something becomes stuck because of a dense crowd of people, vehicles, etc.; a preserve of crushed fruit

88. A legislative speaker should always be _____.

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

89. The homeowner called the police when they spotted an _____ in their backyard.

- n.* someone who enters a place or situation without permission or invitation; someone who interrupts or interferes in something

90. The _____ on the child's faces when they received the toy was priceless.

- n.* a feeling of great pleasure or happiness

91. He seems to _____ all forms of exercise.

- v.* to not like someone or something

92. How did he _____ to your idea?

- v.* to take action in response to something

93. The _____ to the new class was informative and engaging.

- n.* a preliminary explanation or remarks given before the start of a text, performance, or event; the act of bringing something new into existence or introducing something to a wider audience or new market

94. The doctor diagnosed him with a rare _____ that had no known cure.

- n.* a disorder or illness that affects the body or mind, often characterized by specific symptoms or abnormal functioning of organs or systems

ANSWERS: 87. jams, 88. neutral, 89. intruder, 90. delight, 91. dislike, 92. react, 93. introduction, 94. disease

95. The animal rights group worked to _____ the dolphins back into the wild.
v. to set free or allow to escape from confinement
96. What is the entry _____ for this course?
n. something that is needed or wanted
97. 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.)
98. Airplanes need _____ tails to improve stability.
adj. parallel to the ground or in a baseline; being at the same level as all members of a group
99. There's a new _____ of hero in the movies now.
n. a type of product, service, etc., made by a particular company and sold under a specific name; identification mark on the skin of livestock, criminals, etc., made by burning
100. I asked the lawyer to initiate _____ negotiations for voluntary liquidation.
n. a person, company, etc. to whom a debtor owes money
101. The scientists conducted extensive research to determine the _____ of the new vaccine.
n. the ability of a substance, typically a vaccine or antigen, to induce an immune response in the body, which refers to the capacity of the substance to elicit the production of immune cells and antibodies, leading to an immune reaction and the development of immune memory

ANSWERS: 95. release, 96. requirement, 97. vaccine, 98. horizontal, 99. brand, 100. creditor, 101. immunogenicity

102. The spy's mission was to gather intelligence on enemy territories through covert _____.

n. the act or process of penetrating or entering something, often forcefully or with difficulty; the depth or extent to which something has been entered or understood

103. I always carry a backup _____ in case my phone runs out of battery.

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

104. Who answers _____ knows little.

adv. quickly and unexpectedly

105. She has a _____ of spiders and always avoids them.

n. an extreme or irrational fear of a particular object, person, situation, or activity; a type of anxiety disorder

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

n. a medical doctor who practices medicine

107. This machine is too difficult to _____ for me.

v. to work in a particular way; to supervise something

108. Marketing strategies are growing more _____.

adj. having a great deal of worldly experience and knowledge of people's behavior, culture, and fashion

109. The biology teacher showed the students a frog _____ so they could examine its anatomy.

n. an individual example or sample of something, typically used to represent a larger group or category

ANSWERS: 102. penetration, 103. device, 104. suddenly, 105. phobia, 106. physician, 107. operate, 108. sophisticated, 109. specimen

110. _____ workers play a critical role in keeping our cities clean and healthy.
n. the process of maintaining a clean and hygienic environment, particularly in public health and safety contexts; the practice of disposing of waste products in a safe and appropriate manner
111. The _____ handles multiple plot lines and has unpredictable ends.
n. a story or a description of a series of events or process of telling a story
112. The government is determined to _____ sharp inflation.
v. to try to deal with a complex problem or situation
113. The Chinese people have accomplished several _____ feats.
adj. famous or significant in history, or potentially so
114. Animal protection groups call for an end to animal testing in a _____.
n. a workplace for doing scientific research or teaching science; a lab
115. The _____ of the company is too high nowadays.
n. a share or financial investment in something such as a business; a wooden or metal post set up to mark something
116. They _____ in a beautiful old house in the countryside.
v. to live in a particular place, typically for a prolonged period of time
117. 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

ANSWERS: 110. Sanitation, 111. narrative, 112. tackle, 113. historic, 114. laboratory, 115. stake, 116. reside, 117. patent

118. We must _____ a new system to streamline our workflow and increase efficiency.

- v.* to grow or expand; to improve or refine through a process of progress and refinement, often to achieve greater sophistication or complexity; to elaborate or add detail to something that is in the process of being created

119. We must ____ ourselves of pollution.

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

120. The company's main _____ was a lack of innovation.

- n.* a lack or deficiency in a particular respect; a fault or defect

121. The artist used _____ paint to make her painting pop with color.

- n.* a bright, purplish-red color named after a plant that was once used to produce a dye with a similar hue

122. ____ pattern roads often appear in urban areas.

- n.* a pattern of regularly spaced horizontal and vertical lines; a system of high tension cables by which electrical power is distributed throughout a region

123. She must undergo a _____ screening to check for abnormalities in her reproductive system.

- adj.* relating to the neck or the cervix (= the narrow passage forming the lower end of the uterus)

124. Addicts often share dirty _____ putting themselves at risk for disease.

- n.* a device used for injecting or withdrawing fluids from the body, consisting of a tube and a plunger that creates a vacuum or expels the fluid

ANSWERS: 118. develop, 119. rid, 120. shortcoming, 121. magenta, 122. Grid, 123. cervical, 124. syringes,

125. 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

126. This argument is still not _____.

adj. enough, acceptable, satisfactory for a particular purpose or need

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

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

ANSWERS: 125. germ, 126. adequate, 127. lab