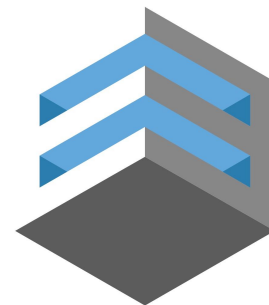


Englist.me



Vocabulary Builder Reference from...

Dan Kwartler: How fast can a vaccine be made? |

TED Talk

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

All Words

IMPORTANT

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Session 1: Word List

pathogen

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

synonym: germ, microbe, bacterium

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

emerge

v. to move out of or away from something and become visible

synonym: arise, occur, appear

(1) **emerge** as a butterfly, (2) **emerge** from poverty
During colonial eras, new migratory patterns **emerged**.

healthcare

n. the organized activity or business of preserving mental and physical health by preventing or treating illness through services offered by the health profession

(1) **healthcare** agency, (2) rising **healthcare** cost
In an aging population, citizens must pay more to maintain quality **healthcare**.

vulnerable

adj. capable of being hurt or influenced physically or mentally

synonym: susceptible, exposed, weak

(1) a **vulnerable** bridge, (2) **vulnerable** parts of the body
Infants and pregnant women are particularly **vulnerable**.

urgent

adj. requiring immediate attention or action; pressing

synonym: pressing, critical, immediate

(1) an **urgent** telegram, (2) **urgent** situation

It is **urgent** that we leave for the airport now to catch our flight.

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.

widespread

adj. existing or happening in various places or among many people

synonym: across-the-board, overall, general

(1) **widespread** use, (2) **widespread** fear of nuclear war

In medieval times, death punishment was **widespread** and socially accepted.

immunity

n. the ability of an organism to resist infection or disease, often due to the presence of antibodies

synonym: resistance, protection, defense

(1) **immunity** booster, (2) **immunity** response

Vaccination is an effective way to build **immunity** against diseases.

minimal

adj. tiny in amount; the least possible

synonym: tiniest, essential, minimum

(1) **minimal** effort, (2) **minimal** amount

The process was carried out at **minimal** cost.

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.

split

- v. to divide, or to make something divide into two or more parts, especially along a particular line

synonym: break, divide, break apart

(1) **split** a bill, (2) **split** a reward equally

Companies often **split** their shares to lower the stock price and encourage investors to buy.

phase

- n. any stage in a series of events, change, or development

synonym: degree, stage, step

(1) enter on the last **phase**, (2) two- **phase** structure

The era of the industrial revolution was a crucial **phase** of history.

explore

- v. to travel to or penetrate an area or a country to learn about it; to thoroughly examine a subject or a possibility to learn more about it

synonym: analyze, delve into, examine

(1) **explore** the world, (2) **explore** our options

The management must **explore** strategies to increase office security.

experiment

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

synonym: experimentation, investigation

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

His **experiments** showed highly positive results.

replica

n. an exact copy of something such as a work of art
synonym: imitation, reproduction, replication

(1) miniature **replica**, (2) exact **replica**

An artist sculpted a full-size **replica** of her body.

vet

n. (also a veterinarian) a person who has a medical degree trained to examine and take care of the health of animals; (verb) to carefully examine, investigate, or evaluate someone or something, often for the purpose of determining suitability or eligibility

synonym: veterinarian, inspector, examiner

(1) **vet** clinic, (2) **vet** check-up

We had to take our dog to the **vet** because she was not feeling well.

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**.

clinical

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

synonym: dispassionate, analytic, scientific

(1) **clinical** surgery, (2) participate in **clinical** trials

She received special **clinical** training at the hospital.

evaluate

v. to assess or estimate the quality, significance, quantity, or value of something

synonym: assess, estimate, consider

(1) **evaluate** the grant proposal, (2) **evaluate** a situation

The meeting aims to **evaluate** possible choices.

fin

n. a thin flat part on the body of a fish or other aquatic animal used for propulsion or balance

synonym: flipper, appendage, stabilizer

(1) back **fin**, (2) a **fin** of a plane

The shark's powerful **fins** allowed it to swim at high speeds.

manufacture

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

synonym: create, fabricate, assemble

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

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

distribute

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

synonym: broadcast, disperse, hand out

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

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

circumstance

n. the specific conditions or events that surround a particular situation or occurrence

synonym: condition, context, environment

(1) **circumstance** of birth, (2) **circumstance** of injury

She explained the **circumstances** surrounding the accident.

process

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

synonym: procedure, method, system

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

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

pandemic

n. an outbreak of a disease that affects many people over a very wide area

synonym: outbreak

(1) flu **pandemic**, (2) global **pandemic**

They fear a **pandemic** of a new type of virus.

employ

v. to give somebody a job and pay them for it; to make use of

synonym: hire, engage, use

(1) **employ** job seekers, (2) **employ** a new method

When making arrests, police officers frequently **employ** excessive force.

numerous

adj. amounting to a large indefinite number

synonym: many, considerable, countless

(1) **numerous** countries, (2) as **numerous** as the sand

These descriptions are based on a number of **numerous** assumptions.

strategy

n. a detailed plan of action designed to achieve a long-term or overall goal.

synonym: approach, procedure, scenario

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

Our plan includes a comprehensive marketing **strategy**.

flexible

adj. able to change or be changed to suit new conditions or situations; able to bend easily

synonym: adaptable, elastic, pliable

(1) **flexible** schedules, (2) a **flexible** wire

You can be more **flexible** and creative in your approach.

introductory

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

synonym: beginning, preliminary, initial

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

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

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**.

virus

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

synonym: bacterium, germ, ailment

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

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

bacteria

n. single-celled or noncellular spherical or spiral or rod-shaped organisms that exist in large numbers in the air, water, and soil, and also in living and dead creatures and plants, and are often a cause of disease

synonym: microorganism, microbe

(1) pathogenic **bacteria**, (2) harmless **bacteria**

Bacteria prevalent in hospitals are often resistant to antibiotics.

antibody

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

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

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

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**.

trigger

v. to make something happen suddenly; to cause something such as a device, machine, etc. to function

synonym: activate, spark, drive

(1) **trigger** a biochemical response, (2) **trigger** inflation
The incident **triggered** a political controversy.

tradition

n. a belief, custom, or way of doing something that has been passed down from generation to generation within a group or society

synonym: custom, practice, ritual

(1) a **tradition** of a culture, (2) against **tradition**

It is a **tradition** in many families to have a big Thanksgiving dinner with all their relatives.

attenuate

v. to weaken or reduce the intensity of something, such as a sound, feeling, or substance; to make something thinner or less dense

synonym: weaken, reduce, diminish

(1) **attenuate** the signal, (2) **attenuate** the power

The scientist was able to **attenuate** the virus by altering its genetic code.

resilient

adj. able to withstand or recover quickly from difficult conditions

synonym: robust, sturdy, tough

(1) a hard and **resilient** steel, (2) **resilient** population

She is a **resilient** person and has always bounced back from setbacks.

rely

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

synonym: depend, count, lean

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

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

viral

adj. relating to or caused by a virus

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

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

strain

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

synonym : pressure, tension, breed

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

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

cult

- n.* a small religious group, especially one that is not part of a larger religion and that is regarded as outside the norm; followers of an exclusive system of beliefs and practices

synonym : sect, faith, religion

(1) **cult** members, (2) **cult's** practices

The **cult** leader promised his followers that they would achieve enlightenment if they followed his teachings.

tissue

- n.* an ensemble of similar cells of the animal or plant that together carry out a specific function

synonym : structure, texture, anatomy

(1) a facial **tissue**, (2) loss of muscle **tissue**

The researcher separated the nervous **tissue** for microscopic examinations.

inactivate

- v.* to make something idle or inoperative; to release from military service or remove from the active list of military service

synonym : assuage, appease, demobilize

(1) **inactivate** growth factor, (2) **inactivate** the vaccine

The system for purifying the air uses UV light to **inactivate** microorganisms.

acid

- n.* sour; water-soluble chemicals with a sour flavor; any of a variety of generally liquid compounds capable of reacting with and occasionally dissolving other materials

synonym : sour

(1) an **acid** reaction, (2) good source of essential amino **acids**

During pregnancy, the stomach generates less **acid** than usual.

radiation

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

synonym: dissemination, emission, irradiation

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

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

inject

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

synonym: shoot, infiltrate, insinuate

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

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

harmless

adj. not able or not likely to cause damage or harm

synonym: benign, innocuous, inoffensive

(1) **harmless** in most people, (2) **harmless** substances

Most people thought of him as a **harmless** eccentric.

fragment

n. a small piece or part broken off or detached

synonym: piece, shard, segment

(1) **fragment** of a text, (2) a broken **fragment**

The archaeologist carefully pieced together the tiny **fragments** of pottery found at the dig site.

protein

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

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

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

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.

robust

adj. sturdy and healthy in form, constitution, or construction; strong enough to withstand or overcome intellectual challenges or adversity

synonym: healthy, strong, booming

(1) **robust** growth, (2) a **robust** appetite

The experiment yielded **robust** results that support his theory.

con

n. an argument opposed to a proposal; a swindle in which you cheat at gambling or persuade a person to buy worthless property; (verb) to be against or opposed to something

synonym: oppose, objection, deception

(1) telemarketing **cons**, (2) the pros and **cons**

The **con** artist convinced the older woman to give him her life savings.

guarantee

v. to promise something will happen formally, especially that certain conditions about a product, service, or transaction would be met

synonym: assure, promise, warrant

(1) **guarantee** a high quality, (2) **guarantee** women equality

We cannot **guarantee** enough raw material sources.

time-consuming

adj. requiring a significant amount of time or effort to complete

synonym: lengthy, prolonged, protracted

(1) **time-consuming** project, (2) **time-consuming** process
Writing a research paper can be a **time-consuming** task.

simultaneously

adv. at the same time

synonym: concurrently, coincidentally, together

(1) **simultaneously** affected, (2) take several inputs
simultaneously

Two students answered the teacher's question
simultaneously.

coronavirus

n. a large family of viruses that can cause illness in humans and animals, which name comes from the crown-like spikes on the surface of the virus, which can be seen under a microscope, and COVID-19 is caused by a specific type of coronavirus known as SARS-CoV-2

synonym: covid

(1) **coronavirus** antibody test kit, (2) **coronavirus**
bankruptcy

Considering the situation of **coronavirus**, organized stopped this year's beer festival.

deem

v. to consider or decide something in a particular way

synonym: believe, consider, suppose

(1) **deem** socially responsible, (2) **deem** wrong or inappropriate

Regarding earthquakes, some commercial buildings were **deemed** unsafe.

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.

unpredictable

adj. not capable of being foreseen or calculated; not regular or certain

synonym:

uncertain, variable, random

(1) dangerously **unpredictable** person, (2) **unpredictable** outcome

The weather in this region is often **unpredictable**, with sudden rainstorms and strong winds.

consist

v. to be composed or made up of

synonym: lie in, comprise, exist

(1) **consist** mainly of cells, (2) **consist** only in knowing facts

This examination **consists** of five problems to solve.

intense

adj. (especially of a feeling) very strong; extremely sharp or severe

synonym: extreme, fierce, harsh

(1) **intense** heat, (2) develop **intense** itching

That statement by the prime minister drew **intense** international criticism.

determinant

n. a factor, circumstance, or condition that contributes to the shaping, influencing, or determining of a particular outcome or result

synonym: cause, factor, element

(1) environmental **determinant**, (2) a **determinant** of crop yields

One **determinant** of success is having a positive attitude and a strong work ethic.

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.

schedule

n. a list of planned activities, tasks, or things that must be completed showing when they are intended to happen or be done

synonym:

agenda, program, itinerary

(1) a heavy **schedule**, (2) arrange my **schedule**

So far, the meeting is going according to **schedule**.

identify

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

synonym: determine, specify, recognize

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

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

negative

adj. having the quality of something bad or harmful; expressing refusal

synonym: minus, adverse, pessimistic

(1) have a **negative** effect, (2) a **negative** number

The movie has received almost universally **negative** criticism.

reaction

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

synonym: response, reply, answer

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

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

variable

adj. likely to change or vary often; (noun) a symbol, like x or y, that is used in mathematical or logical expressions to represent a value that may be changed

synonym: erratic, inconsistent, irregular

(1) a **variable** species, (2) a dependent **variable**

Rainfall in the tropics is highly **variable**.

incredibly

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

synonym: enormously, exceptionally, extraordinarily

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

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

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.

strict

adj. strongly limiting someone's freedom; allowing no deviation from a standard, rule, belief, etc.

synonym: rigorous, inflexible, relentless

(1) **strict** compliance regime, (2) in **strict** secrecy

Too **strict** a regulation for the private sector will stifle innovation.

criteria

n. (plural of criterion) standards or conditions by which something may be judged or decided

synonym: bars, benchmarks, standards

(1) **criteria** for action, (2) consistency **criteria**

He didn't meet all the **criteria**, but he was hired anyway.

occasionally

adv. now and then; sometimes but not often

synonym: periodically, sometimes, from time to time

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

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

expedite

v. to accelerate or speed up a process or task to make it happen more quickly or efficiently; to facilitate the progress of something

synonym: accelerate, hasten, hurry

(1) **expedite** the decision, (2) **expedite** the shipment

We need to **expedite** the process if we want to meet our deadline.

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.

approve

v. to think that someone or something is favorable, acceptable, or appropriate; to officially accept a plan, request, etc.

synonym: accept, authorize, agree

(1) **approve** a measures, (2) unanimously **approve** a resolution

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

adapt

v. to make fit for or change to suit a new purpose or environment

synonym: adjust, acclimate, accustom

(1) **adapt** fully to the environment, (2) **adapt** as needed

I advised him to **adapt** to his new surroundings.

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**.

well-established

adj. firmly established and widely recognized; having a long history of success or acceptance in a particular field or industry

synonym: recognized, conventional

(1) **well-established** company, (2) **well-established** tradition

The restaurant is **well-established** in the community, having

been open for over 50 years.

nation

n. a large organized community of people living in a particular country or region and having a particular culture

synonym: country, state, sovereign entity

(1) **nation-state**, (2) a seafaring **nation**

The **nation** of Japan is known for its unique culture and advanced technology.

regulatory

adj. having the power to control or restrict something such as business or industry according to rules or principles

synonym: regulative, managerial

(1) **regulatory** cells, (2) compliance with **regulatory** requirements

In the past, Japanese banks were protected by **regulatory** control.

blend

v. to mix or combine two or more substances

synonym: combine, mix, intermingle

(1) **blend** all the elements, (2) **blend** milk and cream

The toad altered its appearance to better **blend** in with its new environments.

biology

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

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

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

chemical

adj. relating to or connected with chemistry;

synonym: chemic, synthetic

(1) toxic **chemicals**, (2) a **chemical** compound

The firm has grown into a large **chemical** manufacturing.

component

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

synonym: element, part, factor

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

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

pipeline

n. a very long large tube that is usually underground and is used for carrying liquid or gas for long distances

synonym: channel, line

(1) a data **pipeline**, (2) **pipeline** facilities

Rebels sabotaged the main **pipeline** supplying oil.

parallel

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

synonym: aligned, side-by-side, similar

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

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

constant

adj. happening repeatedly or all the time

synonym: ceaseless, stable, unchanging

(1) a **constant** wind, (2) a **constant** temperature

Constant dropping wears away the stone.

coordination

n. the act of making all the people involved in a plan or activity work together effectively; the ability to control different parts of the body effectively

synonym: cooperation, teamwork, collaboration

(1) data **coordination**, (2) loss of muscle **coordination**

Synchronized swimming needs close **coordination** between six performers.

scrap

n. a small piece or amount of something, especially leftover from a larger whole

synonym: fragment, piece, remnant

(1) **scrap** metal, (2) a broken piece of **scrap**

She made a collage from **scraps** of paper and fabric from the art supply store.

advance

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

synonym: progress, boost, come along

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

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

preliminary

adj. serving as a preparation for something more important or extensive; introductory; taking place before the main event or decision

synonym: initial, preparatory, introductory

(1) **preliminary** investigation, (2) **preliminary** agreement

Before starting the project, we need to go through some **preliminary** research and planning.

swap

v. to give something and receive something in trade

synonym: exchange, switch, trade

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

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

genetic

adj. of or relating to genes (= parts of the DNA in cells) or the science of genes

synonym: hereditary, genetical, inborn

(1) have **genetic** testing, (2) a **genetic** disorder

Understanding protein folding is a vital step in deciphering the **genetic** code.

mRNA

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

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

The **mRNA** vaccine can expedite many approval processes

because it does not contain a virus.

dramatically

adv. in a very impressive manner

synonym: greatly, noticeably, suddenly

(1) he confessed **dramatically**, (2) the cabin pressure fell **dramatically**

Life expectancy has grown **dramatically** this century.

breakthrough

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

synonym: advance, progress, innovation

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

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

cooperate

v. to work together with one or more people or organizations to achieve a goal

synonym: collaborate, team up, work together

(1) **cooperate** with one another, (2) **cooperate** closely in various ways

The team had to **cooperate** to complete the project on time.

divide

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

synonym: separate, disconnect, split

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

Can you **divide** 123321 by eleven?

conquer

v. to bring under control by force or authority

synonym: defeat, overpower, subdue

(1) **conquer** fatal disease, (2) **conquer** the world

You must **conquer** your anxiety about driving.

Session 2: Spelling

- | | |
|-------------------------------------|--|
| 1. ha____ss substances | <i>adj.</i> not able or not likely to cause damage or harm |
| 2. spread of the vi__s | <i>n.</i> a tiny infectious organic material that causes disease in people, animals, and plants |
| 3. v_t check-up | <i>n.</i> (also a veterinarian) a person who has a medical degree trained to examine and take care of the health of animals; (verb) to carefully examine, investigate, or evaluate someone or something, often for the purpose of determining suitability or eligibility |
| 4. l_b instrument | <i>n.</i> a workplace for the conduct of scientific research; a laboratory |
| 5. plant pa____en | <i>n.</i> a bacterium, virus, or other microorganism that causes disease |
| 6. wel_____hed company | <i>adj.</i> firmly established and widely recognized; having a long history of success or acceptance in a particular field or industry |
| 7. im___e from criminal prosecution | <i>adj.</i> protected against a particular disease or toxin due to the presence of specific antibodies or sensitized white blood cells |
| 8. cr____ia for action | <i>n.</i> (plural of criterion) standards or conditions by which something may be judged or decided |

ANSWERS: 1. harmless, 2. virus, 3. vet, 4. lab, 5. pathogen, 6. well-established, 7. immune, 8. criteria

- | | |
|---------------------------------|--|
| 9. ex_____e the world | <i>v.</i> to travel to or penetrate an area or a country to learn about it; to thoroughly examine a subject or a possibility to learn more about it |
| 10. exp_____nt design | <i>n.</i> the scientific test conducted to observe what happens and gain new knowledge |
| 11. id_____fy handwriting | <i>v.</i> to recognize someone or something and say or prove who or what they are |
| 12. a vul_____le bridge | <i>adj.</i> capable of being hurt or influenced physically or mentally |
| 13. a dependent va_____le | <i>adj.</i> likely to change or vary often; (noun) a symbol, like x or y, that is used in mathematical or logical expressions to represent a value that may be changed |
| 14. reg_____ry cells | <i>adj.</i> having the power to control or restrict something such as business or industry according to rules or principles |
| 15. ex_____te the shipment | <i>v.</i> to accelerate or speed up a process or task to make it happen more quickly or efficiently; to facilitate the progress of something |
| 16. tim_____ing process | <i>adj.</i> requiring a significant amount of time or effort to complete |
| 17. back f_n | <i>n.</i> a thin flat part on the body of a fish or other aquatic animal used for propulsion or balance |
| 18. a te_____ue in martial arts | <i>n.</i> a particular way or art of doing something that needs skill |
| 19. ina_____te growth factor | <i>v.</i> to make something idle or inoperative; to release from military service or remove from the active list of military service |

ANSWERS: 9. explore, 10. experiment, 11. identify, 12. vulnerable, 13. variable, 14. regulatory, 15. expedite, 16. time-consuming, 17. fin, 18. technique, 19. inactivate

20. wid_____ad fear of nuclear war	<i>adj.</i> existing or happening in various places or among many people
21. ad_____e a cooperative relationship	<i>v.</i> to go or move forward; to develop in a positive way
22. spare co_____nts for cars	<i>n.</i> one of several parts that combines with others to form something bigger
23. c__t's practices	<i>n.</i> a small religious group, especially one that is not part of a larger religion and that is regarded as outside the norm; followers of an exclusive system of beliefs and practices
24. consistency cr_____ia	<i>n.</i> (plural of criterion) standards or conditions by which something may be judged or decided
25. an oral va_____e	<i>n.</i> 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.)
26. cell and molecular bi_____y	<i>n.</i> the scientific study of life and the natural processes of living things
27. a bacterial in_____on	<i>n.</i> a condition in which pathogenic microorganisms or viruses have entered the body
28. tim_____ing project	<i>adj.</i> requiring a significant amount of time or effort to complete
29. ad_____e the technology	<i>v.</i> to go or move forward; to develop in a positive way
30. have ge_____c testing	<i>adj.</i> of or relating to genes (= parts of the DNA in cells) or the science of genes

ANSWERS: 20. widespread, 21. advance, 22. component, 23. cult, 24. criteria, 25. vaccine, 26. biology, 27. infection, 28. time-consuming, 29. advance, 30. genetic

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| 31. nu____us countries | <i>adj.</i> amounting to a large indefinite number |
| 32. data coo_____ion | <i>n.</i> the act of making all the people involved in a plan or activity work together effectively; the ability to control different parts of the body effectively |
| 33. ur____t situation | <i>adj.</i> requiring immediate attention or action; pressing |
| 34. fl____le schedules | <i>adj.</i> able to change or be changed to suit new conditions or situations; able to bend easily |
| 35. inc_____ly cheerful character | <i>adv.</i> in a way that is very difficult to believe; exceedingly or extremely |
| 36. decision-making pr____s | <i>n.</i> a series of actions or operations performed to achieve a particular outcome or goal; a systematic procedure or approach used to accomplish a specific task or objective; a method of treating milk to make it suitable for consumption or use in other dairy products |
| 37. co____r the world | <i>v.</i> to bring under control by force or authority |
| 38. ex____e our options | <i>v.</i> to travel to or penetrate an area or a country to learn about it; to thoroughly examine a subject or a possibility to learn more about it |
| 39. sim_____sly affected | <i>adv.</i> at the same time |
| 40. ha____ss in most people | <i>adj.</i> not able or not likely to cause damage or harm |

ANSWERS: 31. numerous, 32. coordination, 33. urgent, 34. flexible, 35. incredibly, 36. process, 37. conquer, 38. explore, 39. simultaneously, 40. harmless

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| 41. ap____e a measures | <i>v.</i> to think that someone or something is favorable, acceptable, or appropriate; to officially accept a plan, request, etc. |
| 42. pre____ry agreement | <i>adj.</i> serving as a preparation for something more important or extensive; introductory; taking place before the main event or decision |
| 43. a co____nt temperature | <i>adj.</i> happening repeatedly or all the time |
| 44. a facial ti____e | <i>n.</i> an ensemble of similar cells of the animal or plant that together carry out a specific function |
| 45. there is no other alt____ve | <i>n.</i> one of two or more available possibilities or choice |
| 46. d__m socially responsible | <i>v.</i> to consider or decide something in a particular way |
| 47. st____t compliance regime | <i>adj.</i> strongly limiting someone's freedom; allowing no deviation from a standard, rule, belief, etc. |
| 48. exposure to ra____on | <i>n.</i> the energy that comes from a nuclear reaction in the form of rays, waves, or particles and that can be hazardous to health |
| 49. bl__d milk and cream | <i>v.</i> to mix or combine two or more substances |
| 50. in____t a personal opinion into a debate | <i>v.</i> to put a liquid such as a drug or other substance into a person's or an animal's body using a needle and syringe (= small tube) |
| 51. he confessed dra____lly | <i>adv.</i> in a very impressive manner |

ANSWERS: 41. approve, 42. preliminary, 43. constant, 44. tissue, 45. alternative, 46. deem, 47. strict, 48. radiation, 49. blend, 50. inject, 51. dramatically

52. treat the in_____on with antibiotics	<i>n.</i> a condition in which pathogenic microorganisms or viruses have entered the body
53. ro___t growth	<i>adj.</i> sturdy and healthy in form, constitution, or construction; strong enough to withstand or overcome intellectual challenges or adversity
54. a seafaring na___n	<i>n.</i> a large organized community of people living in a particular country or region and having a particular culture
55. military st_____gy	<i>n.</i> a detailed plan of action designed to achieve a long-term or overall goal.
56. pr_____s improvement	<i>n.</i> a series of actions or operations performed to achieve a particular outcome or goal; a systematic procedure or approach used to accomplish a specific task or objective; a method of treating milk to make it suitable for consumption or use in other dairy products
57. bre_____ugh in the negotiations	<i>n.</i> a sudden, dramatic, and important discovery or development that helps to improve a situation or provide an answer to a problem
58. ex_____e weather events	<i>adj.</i> very great in amount or degree
59. mi_____l amount	<i>adj.</i> tiny in amount; the least possible
60. hea_____re agency	<i>n.</i> the organized activity or business of preserving mental and physical health by preventing or treating illness through services offered by the health profession

ANSWERS: 52. infection, 53. robust, 54. nation, 55. strategy, 56. process, 57. breakthrough, 58. extreme, 59. minimal, 60. healthcare

61. rising hea_____re cost	<i>n.</i> the organized activity or business of preserving mental and physical health by preventing or treating illness through services offered by the health profession
62. against tr_____on	<i>n.</i> a belief, custom, or way of doing something that has been passed down from generation to generation within a group or society
63. special de_____ry	<i>n.</i> the act of taking or sending something to a destination; the bringing of a baby during childbirth
64. a heavy sc_____le	<i>n.</i> a list of planned activities, tasks, or things that must be completed showing when they are intended to happen or be done
65. a tr_____on of a culture	<i>n.</i> a belief, custom, or way of doing something that has been passed down from generation to generation within a group or society
66. int_____ory biology text	<i>adj.</i> intended as an introduction or preliminary; serving as a base or starting point
67. develop in_____e itching	<i>adj.</i> (especially of a feeling) very strong; extremely sharp or severe
68. cor_____us antibody test kit	<i>n.</i> a large family of viruses that can cause illness in humans and animals, which name comes from the crown-like spikes on the surface of the virus, which can be seen under a microscope, and COVID-19 is caused by a specific type of coronavirus known as SARS-CoV-2

ANSWERS: 61. healthcare, 62. tradition, 63. delivery, 64. schedule, 65. tradition, 66. introductory, 67. intense, 68. coronavirus

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| 69. r__y entirely on him | <i>v.</i> to require a specific thing or the assistance and support of someone or something to continue, run properly, or succeed. |
| 70. participate in cl____al trials | <i>adj.</i> of or relating to the examination and treatment of patients rather than theoretical or laboratory studies |
| 71. co_____te closely in various ways | <i>v.</i> to work together with one or more people or organizations to achieve a goal |
| 72. vul_____le parts of the body | <i>adj.</i> capable of being hurt or influenced physically or mentally |
| 73. chemical re_____on | <i>n.</i> a response that reveals a person's feelings or attitude; (in chemistry) a process in which one or more substances are changed into others |
| 74. bl__d all the elements | <i>v.</i> to mix or combine two or more substances |
| 75. de_____p a skill | <i>v.</i> 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 |
| 76. c__t members | <i>n.</i> a small religious group, especially one that is not part of a larger religion and that is regarded as outside the norm; followers of an exclusive system of beliefs and practices |
| 77. cor_____us bankruptcy | <i>n.</i> a large family of viruses that can cause illness in humans and animals, which name comes from the crown-like spikes on the surface of the virus, which can be seen under a microscope, and COVID-19 is caused by a specific type of coronavirus known as SARS-CoV-2 |

ANSWERS: 69. rely, 70. clinical, 71. cooperate, 72. vulnerable, 73. reaction, 74.

blend, 75. develop, 76. cult, 77. coronavirus

78. the pa____en in the air	<i>n.</i> a bacterium, virus, or other microorganism that causes disease
79. an a__d reaction	<i>n.</i> sour; water-soluble chemicals with a sour flavor; any of a variety of generally liquid compounds capable of reacting with and occasionally dissolving other materials
80. a co____nt wind	<i>adj.</i> happening repeatedly or all the time
81. compliance with reg____ry requirements	<i>adj.</i> having the power to control or restrict something such as business or industry according to rules or principles
82. trigger a re____on	<i>n.</i> a response that reveals a person's feelings or attitude; (in chemistry) a process in which one or more substances are changed into others
83. in____t under the skin	<i>v.</i> to put a liquid such as a drug or other substance into a person's or an animal's body using a needle and syringe (= small tube)
84. nuclear m__A	<i>n.</i> (an abbreviation for messenger RNA) a single-stranded molecule of RNA that corresponds to the genetic sequence of a gene, and is read by a ribosome in the process of synthesizing a protein
85. an ur____t telegram	<i>adj.</i> requiring immediate attention or action; pressing
86. occ____lly dine with friends	<i>adv.</i> now and then; sometimes but not often
87. occ____lly change the routine	<i>adv.</i> now and then; sometimes but not often

ANSWERS: 78. pathogen, 79. acid, 80. constant, 81. regulatory, 82. reaction, 83. inject, 84. mRNA, 85. urgent, 86. occasionally, 87. occasionally

88. global pa____ic	<i>n.</i> an outbreak of a disease that affects many people over a very wide area
89. a data pi____ne	<i>n.</i> a very long large tube that is usually underground and is used for carrying liquid or gas for long distances
90. an easy de____ry	<i>n.</i> the act of taking or sending something to a destination; the bringing of a baby during childbirth
91. flu pa____ic	<i>n.</i> an outbreak of a disease that affects many people over a very wide area
92. a det____nt of crop yields	<i>n.</i> a factor, circumstance, or condition that contributes to the shaping, influencing, or determining of a particular outcome or result
93. gu____ee women equality	<i>v.</i> to promise something will happen formally, especially that certain conditions about a product, service, or transaction would be met
94. in____za B strain	<i>n.</i> (formal for flu) a highly contagious viral disease that causes fever, severe aching, and catarrh and often occurs in epidemics
95. at____te the power	<i>v.</i> to weaken or reduce the intensity of something, such as a sound, feeling, or substance; to make something thinner or less dense
96. di___e the cake into two pieces	<i>v.</i> to separate or cause to separate into parts or groups
97. r__y on convenience stores	<i>v.</i> to require a specific thing or the assistance and support of someone or something to continue, run properly, or succeed.

ANSWERS: 88. pandemic, 89. pipeline, 90. delivery, 91. pandemic, 92. determinant, 93. guarantee, 94. influenza, 95. attenuate, 96. divide, 97. rely

98. s__p seats	<i>v.</i> to give something and receive something in trade
99. fr____nt of a text	<i>n.</i> a small piece or part broken off or detached
100. two-ph__e structure	<i>n.</i> any stage in a series of events, change, or development
101. exact re____a	<i>n.</i> an exact copy of something such as a work of art
102. evolutionary bi____y	<i>n.</i> the scientific study of life and the natural processes of living things
103. a va____le species	<i>adj.</i> likely to change or vary often; (noun) a symbol, like x or y, that is used in mathematical or logical expressions to represent a value that may be changed
104. an epidemic outbreak of in____za	<i>n.</i> (formal for flu) a highly contagious viral disease that causes fever, severe aching, and catarrh and often occurs in epidemics
105. a ro____t appetite	<i>adj.</i> sturdy and healthy in form, constitution, or construction; strong enough to withstand or overcome intellectual challenges or adversity
106. pre______ry investigation	<i>adj.</i> serving as a preparation for something more important or extensive; introductory; taking place before the main event or decision
107. the cell of the im____e system	<i>adj.</i> protected against a particular disease or toxin due to the presence of specific antibodies or sensitized white blood cells

ANSWERS: 98. swap, 99. fragment, 100. phase, 101. replica, 102. biology, 103. variable, 104. influenza, 105. robust, 106. preliminary, 107. immune

108. electromagnetic ra_____on	<i>n.</i> the energy that comes from a nuclear reaction in the form of rays, waves, or particles and that can be hazardous to health
109. produce an_____dy	<i>n.</i> a substance produced in the blood that attacks and kills harmful bacteria, viruses, etc., to fight disease
110. environmental det_____nt	<i>n.</i> a factor, circumstance, or condition that contributes to the shaping, influencing, or determining of a particular outcome or result
111. em____e from poverty	<i>v.</i> to move out of or away from something and become visible
112. co_____te with one another	<i>v.</i> to work together with one or more people or organizations to achieve a goal
113. telemarketing c_ns	<i>n.</i> an argument opposed to a proposal; a swindle in which you cheat at gambling or persuade a person to buy worthless property; (verb) to be against or opposed to something
114. man_____re a product	<i>v.</i> to make goods in large numbers, usually in a factory using machines
115. dangerously unp_____ble person	<i>adj.</i> not capable of being foreseen or calculated; not regular or certain
116. an_____dy against bacteria	<i>n.</i> a substance produced in the blood that attacks and kills harmful bacteria, viruses, etc., to fight disease
117. d__m wrong or inappropriate	<i>v.</i> to consider or decide something in a particular way

ANSWERS: 108. radiation, 109. antibody, 110. determinant, 111. emerge, 112. cooperate, 113. con, 114. manufacture, 115. unpredictable, 116. antibody, 117. deem

118. as nu____us as the sand	<i>adj.</i> amounting to a large indefinite number
119. dis_____te video content	<i>v.</i> to give something to a large number of individuals, or to spread or furnish something
120. key co_____nt	<i>n.</i> one of several parts that combines with others to form something bigger
121. de_____p a strategy	<i>v.</i> 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
122. pa_____el processing	<i>adj.</i> being everywhere equidistant and not intersecting; of or relating to the simultaneous performance of multiple operations
123. em_____e as a butterfly	<i>v.</i> to move out of or away from something and become visible
124. m__A translation	<i>n.</i> (an abbreviation for messenger RNA) a single-stranded molecule of RNA that corresponds to the genetic sequence of a gene, and is read by a ribosome in the process of synthesizing a protein
125. im_____ty response	<i>n.</i> the ability of an organism to resist infection or disease, often due to the presence of antibodies
126. pi_____ne facilities	<i>n.</i> a very long large tube that is usually underground and is used for carrying liquid or gas for long distances

ANSWERS: 118. numerous, 119. distribute, 120. component, 121. develop, 122. parallel, 123. emerge, 124. mRNA, 125. immunity, 126. pipeline

127. a fl____le wire	<i>adj.</i> able to change or be changed to suit new conditions or situations; able to bend easily
128. na____n-state	<i>n.</i> a large organized community of people living in a particular country or region and having a particular culture
129. cir____nce of birth	<i>n.</i> the specific conditions or events that surround a particular situation or occurrence
130. take several inputs sim____sly	<i>adv.</i> at the same time
131. co____t mainly of cells	<i>v.</i> to be composed or made up of
132. loss of muscle ti____e	<i>n.</i> an ensemble of similar cells of the animal or plant that together carry out a specific function
133. ad__t as needed	<i>v.</i> to make fit for or change to suit a new purpose or environment
134. have a ne____ve effect	<i>adj.</i> having the quality of something bad or harmful; expressing refusal
135. pr____n synthesis	<i>n.</i> a molecule made up of a long chain of amino acids, which is essential for the structure and function of the body's tissues
136. tr____r a biochemical response	<i>v.</i> to make something happen suddenly; to cause something such as a device, machine, etc. to function
137. st____n our eyes	<i>n.</i> a force or pressure that stretches or pulls something, sometimes causing damage; (biology) a group of organisms within a species that differ in trivial ways from similar groups

ANSWERS: 127. flexible, 128. nation, 129. circumstance, 130. simultaneously, 131. consist, 132. tissue, 133. adapt, 134. negative, 135. protein, 136. trigger, 137. strain

138. bre_____ugh discovery	<i>n.</i> a sudden, dramatic, and important discovery or development that helps to improve a situation or provide an answer to a problem
139. get inc_____ly insecure	<i>adv.</i> in a way that is very difficult to believe; exceedingly or extremely
140. product int_____ory sale	<i>adj.</i> intended as an introduction or preliminary; serving as a base or starting point
141. id_____fy gene sequences	<i>v.</i> to recognize someone or something and say or prove who or what they are
142. a strain of vi__s	<i>n.</i> a tiny infectious organic material that causes disease in people, animals, and plants
143. enter on the last ph__e	<i>n.</i> any stage in a series of events, change, or development
144. a pa_____el case	<i>adj.</i> being everywhere equidistant and not intersecting; of or relating to the simultaneous performance of multiple operations
145. toxic ch_____als	<i>adj.</i> relating to or connected with chemistry;
146. cl_____al surgery	<i>adj.</i> of or relating to the examination and treatment of patients rather than theoretical or laboratory studies
147. gu_____ee a high quality	<i>v.</i> to promise something will happen formally, especially that certain conditions about a product, service, or transaction would be met
148. tr_____r inflation	<i>v.</i> to make something happen suddenly; to cause something such as a device, machine, etc. to function

ANSWERS: 138. breakthrough, 139. incredibly, 140. introductory, 141. identify, 142. virus, 143. phase, 144. parallel, 145. chemical, 146. clinical, 147. guarantee, 148. trigger

149. at_____te the signal	<i>v.</i> to weaken or reduce the intensity of something, such as a sound, feeling, or substance; to make something thinner or less dense
150. develop a st_____gy	<i>n.</i> a detailed plan of action designed to achieve a long-term or overall goal.
151. cir_____nce of injury	<i>n.</i> the specific conditions or events that surround a particular situation or occurrence
152. re_____nt population	<i>adj.</i> able to withstand or recover quickly from difficult conditions
153. a broken fr_____nt	<i>n.</i> a small piece or part broken off or detached
154. development of va_____es	<i>n.</i> 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.)
155. a hard and re_____nt steel	<i>adj.</i> able to withstand or recover quickly from difficult conditions
156. a gear change le____r	<i>n.</i> 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
157. co_____r fatal disease	<i>v.</i> to bring under control by force or authority
158. in st____t secrecy	<i>adj.</i> strongly limiting someone's freedom; allowing no deviation from a standard, rule, belief, etc.

ANSWERS: 149. attenuate, 150. strategy, 151. circumstance, 152. resilient, 153. fragment, 154. vaccine, 155. resilient, 156. lever, 157. conquer, 158. strict

159. pathogenic ba____ia	<i>n.</i> single-celled or noncellular spherical or spiral or rod-shaped organisms that exist in large numbers in the air, water, and soil, and also in living and dead creatures and plants, and are often a cause of disease
160. co____t only in knowing facts	<i>v.</i> to be composed or made up of
161. em____y job seekers	<i>v.</i> to give somebody a job and pay them for it; to make use of
162. a ge____c disorder	<i>adj.</i> of or relating to genes (= parts of the DNA in cells) or the science of genes
163. detect a vi__l code	<i>adj.</i> relating to or caused by a virus
164. im____ty booster	<i>n.</i> the ability of an organism to resist infection or disease, often due to the presence of antibodies
165. series of exp____nts	<i>n.</i> the scientific test conducted to observe what happens and gain new knowledge
166. sp__t a reward equally	<i>v.</i> to divide, or to make something divide into two or more parts, especially along a particular line
167. ex____e sports	<i>adj.</i> very great in amount or degree
168. wid____ad use	<i>adj.</i> existing or happening in various places or among many people
169. wel_____hed tradition	<i>adj.</i> firmly established and widely recognized; having a long history of success or acceptance in a particular field or industry
170. good source of essential amino a__ds	<i>n.</i> sour; water-soluble chemicals with a sour flavor; any of a variety of generally liquid compounds capable of reacting with and occasionally dissolving other materials

ANSWERS: 159. bacteria, 160. consist, 161. employ, 162. genetic, 163. viral, 164. immunity, 165. experiment, 166. split, 167. extreme, 168. widespread, 169. well-established, 170. acid

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| 171. harmless ba____ia | <i>n.</i> single-celled or noncellular spherical or spiral or rod-shaped organisms that exist in large numbers in the air, water, and soil, and also in living and dead creatures and plants, and are often a cause of disease |
| 172. in____e heat | <i>adj.</i> (especially of a feeling) very strong; extremely sharp or severe |
| 173. an alt____ve plan | <i>n.</i> one of two or more available possibilities or choice |
| 174. v_t clinic | <i>n.</i> (also a veterinarian) a person who has a medical degree trained to examine and take care of the health of animals; (verb) to carefully examine, investigate, or evaluate someone or something, often for the purpose of determining suitability or eligibility |
| 175. loss of muscle coo____ion | <i>n.</i> the act of making all the people involved in a plan or activity work together effectively; the ability to control different parts of the body effectively |
| 176. unanimously ap____e a resolution | <i>v.</i> to think that someone or something is favorable, acceptable, or appropriate; to officially accept a plan, request, etc. |
| 177. fight vi__l infections | <i>adj.</i> relating to or caused by a virus |
| 178. ad__t fully to the environment | <i>v.</i> to make fit for or change to suit a new purpose or environment |
| 179. s__p columns with rows | <i>v.</i> to give something and receive something in trade |

ANSWERS: 171. bacteria, 172. intense, 173. alternative, 174. vet, 175. coordination, 176. approve, 177. viral, 178. adapt, 179. swap

180. ina_____te the vaccine	<i>v.</i> to make something idle or inoperative; to release from military service or remove from the active list of military service
181. unp_____ble outcome	<i>adj.</i> not capable of being foreseen or calculated; not regular or certain
182. le__r for reform	<i>n.</i> 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
183. a f_n of a plane	<i>n.</i> a thin flat part on the body of a fish or other aquatic animal used for propulsion or balance
184. em___y a new method	<i>v.</i> to give somebody a job and pay them for it; to make use of
185. ev_____te the grant proposal	<i>v.</i> to assess or estimate the quality, significance, quantity, or value of something
186. the cabin pressure fell dra_____lly	<i>adv.</i> in a very impressive manner
187. arrange my sc_____le	<i>n.</i> a list of planned activities, tasks, or things that must be completed showing when they are intended to happen or be done
188. di___e money equally	<i>v.</i> to separate or cause to separate into parts or groups
189. sp__t a bill	<i>v.</i> to divide, or to make something divide into two or more parts, especially along a particular line
190. a ne_____ve number	<i>adj.</i> having the quality of something bad or harmful; expressing refusal

ANSWERS: 180. inactivate, 181. unpredictable, 182. lever, 183. fin, 184. employ, 185. evaluate, 186. dramatically, 187. schedule, 188. divide, 189. split, 190. negative

191. the te_____ue applied to construction	<i>n.</i> a particular way or art of doing something that needs skill
192. ev_____te a situation	<i>v.</i> to assess or estimate the quality, significance, quantity, or value of something
193. ex_____te the decision	<i>v.</i> to accelerate or speed up a process or task to make it happen more quickly or efficiently; to facilitate the progress of something
194. stress pr_____n	<i>n.</i> a molecule made up of a long chain of amino acids, which is essential for the structure and function of the body's tissues
195. sc__p metal	<i>n.</i> a small piece or amount of something, especially leftover from a larger whole
196. medical l_b	<i>n.</i> a workplace for the conduct of scientific research; a laboratory
197. the pros and c_ns	<i>n.</i> an argument opposed to a proposal; a swindle in which you cheat at gambling or persuade a person to buy worthless property; (verb) to be against or opposed to something
198. a ch_____al compound	<i>adj.</i> relating to or connected with chemistry;
199. a broken piece of sc__p	<i>n.</i> a small piece or amount of something, especially leftover from a larger whole
200. dis_____te wealth evenly	<i>v.</i> to give something to a large number of individuals, or to spread or furnish something

ANSWERS: 191. technique, 192. evaluate, 193. expedite, 194. protein, 195. scrap, 196. lab, 197. con, 198. chemical, 199. scrap, 200. distribute

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| 201. miniature re____a | <i>n.</i> an exact copy of something such as a work of art |
| 202. man_____re an enzyme | <i>v.</i> to make goods in large numbers, usually in a factory using machines |
| 203. a st___n of bacillus | <i>n.</i> a force or pressure that stretches or pulls something, sometimes causing damage; (biology) a group of organisms within a species that differ in trivial ways from similar groups |
| 204. mi_____l effort | <i>adj.</i> tiny in amount; the least possible |

ANSWERS: 201. replica, 202. manufacture, 203. strain, 204. minimal

Session 3: Fill in the Blanks

1. You can be more _____ and creative in your approach.
adj. able to change or be changed to suit new conditions or situations; able to bend easily
2. He didn't meet all the _____ but he was hired anyway.
n. (plural of criterion) standards or conditions by which something may be judged or decided
3. During pregnancy, the stomach generates less _____ than usual.
n. sour; water-soluble chemicals with a sour flavor; any of a variety of generally liquid compounds capable of reacting with and occasionally dissolving other materials
4. Vaccination is an effective way to build _____ against diseases.
n. the ability of an organism to resist infection or disease, often due to the presence of antibodies
5. We need to _____ the process if we want to meet our deadline.
v. to accelerate or speed up a process or task to make it happen more quickly or efficiently; to facilitate the progress of something
6. The shark's powerful _____ allowed it to swim at high speeds.
n. a thin flat part on the body of a fish or other aquatic animal used for propulsion or balance
7. The _____ artist convinced the older woman to give him her life savings.
n. an argument opposed to a proposal; a swindle in which you cheat at gambling or persuade a person to buy worthless property; (verb) to be against or opposed to something

ANSWERS: 1. flexible, 2. criteria, 3. acid, 4. immunity, 5. expedite, 6. fins, 7. con

8. 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.)
9. The incident _____ a political controversy.
- v.* to make something happen suddenly; to cause something such as a device, machine, etc. to function
10. His _____ showed highly positive results.
- n.* the scientific test conducted to observe what happens and gain new knowledge
11. The body needs a certain amount of _____ to build and repair tissues.
- n.* a molecule made up of a long chain of amino acids, which is essential for the structure and function of the body's tissues
12. Can you _____ 123321 by eleven?
- v.* to separate or cause to separate into parts or groups
13. The researcher separated the nervous _____ for microscopic examinations.
- n.* an ensemble of similar cells of the animal or plant that together carry out a specific function
14. Rebels sabotaged the main _____ supplying oil.
- n.* a very long large tube that is usually underground and is used for carrying liquid or gas for long distances
15. Scientific knowledge will _____ significantly with the power of AI.
- v.* to go or move forward; to develop in a positive way

ANSWERS: 8. vaccine, 9. triggered, 10. experiments, 11. protein, 12. divide, 13. tissue, 14. pipeline, 15. advance

16. Babies heavily _____ on others for food.

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

17. Before starting the project, we need to go through some _____ research and planning.

- adj.* serving as a preparation for something more important or extensive; introductory; taking place before the main event or decision

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

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

19. Understanding protein folding is a vital step in deciphering the _____ code.

- adj.* of or relating to genes (= parts of the DNA in cells) or the science of genes

20. The _____ for applying for a visa can be lengthy and complicated.

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

21. Several cities are experiencing _____ high unemployment rates.

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

22. _____ dropping wears away the stone.

- adj.* happening repeatedly or all the time

23. This examination _____ of five problems to solve.

- v.* to be composed or made up of

ANSWERS: 16. rely, 17. preliminary, 18. infections, 19. genetic, 20. process, 21. incredibly, 22. Constant, 23. consists

24. Life expectancy has grown _____ this century.

adv. in a very impressive manner

25. _____ prevalent in hospitals are often resistant to antibiotics.

n. single-celled or noncellular spherical or spiral or rod-shaped organisms that exist in large numbers in the air, water, and soil, and also in living and dead creatures and plants, and are often a cause of disease

26. Two students answered the teacher's question _____.

adv. at the same time

27. The system for purifying the air uses UV light to _____ microorganisms.

v. to make something idle or inoperative; to release from military service or remove from the active list of military service

28. This pharmaceutical company is developing _____ drugs with fewer side effects.

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

29. He walked a road _____ to the railroad.

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

30. When making arrests, police officers frequently _____ excessive force.

v. to give somebody a job and pay them for it; to make use of

31. The firm has grown into a large _____ manufacturing.

adj. relating to or connected with chemistry;

ANSWERS: 24. dramatically, 25. Bacteria, 26. simultaneously, 27. inactivate, 28. antibody, 29. parallel, 30. employ, 31. chemical

32. Solar gravity creates _____ pressures and temperatures.

adj. very great in amount or degree

33. I will introduce you to how to _____ the leading causes of the malfunction.

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

34. They fear a _____ of a new type of virus.

n. an outbreak of a disease that affects many people over a very wide area

35. The weather in this region is often _____ with sudden rainstorms and strong winds.

adj. not capable of being foreseen or calculated; not regular or certain

36. The toad altered its appearance to better _____ in with its new environments.

v. to mix or combine two or more substances

37. She received special _____ training at the hospital.

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

38. The _____ leader promised his followers that they would achieve enlightenment if they followed his teachings.

n. a small religious group, especially one that is not part of a larger religion and that is regarded as outside the norm; followers of an exclusive system of beliefs and practices

39. That statement by the prime minister drew _____ international criticism.

adj. (especially of a feeling) very strong; extremely sharp or severe

ANSWERS: 32. extreme, 33. identify, 34. pandemic, 35. unpredictable, 36. blend, 37. clinical, 38. cult, 39. intense

40. She is a _____ person and has always bounced back from setbacks.

adj. able to withstand or recover quickly from difficult conditions

41. In an aging population, citizens must pay more to maintain quality _____.

n. the organized activity or business of preserving mental and physical health by preventing or treating illness through services offered by the health profession

42. So far, the meeting is going according to _____.

n. a list of planned activities, tasks, or things that must be completed showing when they are intended to happen or be done

43. Infants and pregnant women are particularly _____.

adj. capable of being hurt or influenced physically or mentally

44. 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

45. Regarding earthquakes, some commercial buildings were _____ unsafe.

v. to consider or decide something in a particular way

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

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

47. His estate was _____ to his sons.

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

ANSWERS: 40. resilient, 41. healthcare, 42. schedule, 43. vulnerable, 44. develop, 45. deemed, 46. introductory, 47. distributed

48. In the past, Japanese banks were protected by _____ control.

adj. having the power to control or restrict something such as business or industry according to rules or principles

49. Let's try to _____ a bit of enthusiasm into your performance.

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

50. You must _____ your anxiety about driving.

v. to bring under control by force or authority

51. Companies often _____ their shares to lower the stock price and encourage investors to buy.

v. to divide, or to make something divide into two or more parts, especially along a particular line

52. 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

53. The management must _____ strategies to increase office security.

v. to travel to or penetrate an area or a country to learn about it; to thoroughly examine a subject or a possibility to learn more about it

54. In junior high school, we had to dissect a frog in _____ class.

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

55. My boss wouldn't _____ of the plan.

v. to think that someone or something is favorable, acceptable, or appropriate; to officially accept a plan, request, etc.

ANSWERS: 48. regulatory, 49. inject, 50. conquer, 51. split, 52. immune, 53. explore, 54. biology, 55. approve

56. The Prime Minister will pay a courtesy visit to the Nobel laureate's ____.
- n.* a workplace for the conduct of scientific research; a laboratory
57. 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
58. One _____ of success is having a positive attitude and a strong work ethic.
- n.* a factor, circumstance, or condition that contributes to the shaping, influencing, or determining of a particular outcome or result
59. The restaurant is _____ in the community, having been open for over 50 years.
- adj.* firmly established and widely recognized; having a long history of success or acceptance in a particular field or industry
60. An infected person in the hospital will likely pass the _____ to others.
- n.* a tiny infectious organic material that causes disease in people, animals, and plants
61. mRNA vaccines are approved faster because they do not contain inactivated ____.
- n.* a bacterium, virus, or other microorganism that causes disease
62. Doctors are gradually coming around to the idea of using _____ medicines.
- n.* one of two or more available possibilities or choice

ANSWERS: 56. lab, 57. influenza, 58. determinant, 59. well-established, 60. virus, 61. pathogens, 62. alternative

63. The _____ of Japan is known for its unique culture and advanced technology.
n. a large organized community of people living in a particular country or region and having a particular culture
64. The majority of synthetic vitamins are _____ from oil.
v. to make goods in large numbers, usually in a factory using machines
65. The scientist was able to _____ the virus by altering its genetic code.
v. to weaken or reduce the intensity of something, such as a sound, feeling, or substance; to make something thinner or less dense
66. The archaeologist carefully pieced together the tiny _____ of pottery found at the dig site.
n. a small piece or part broken off or detached
67. There was a chemical _____ of the lime with the groundwater.
n. a response that reveals a person's feelings or attitude; (in chemistry) a process in which one or more substances are changed into others
68. Rainfall in the tropics is highly _____.
adj. likely to change or vary often; (noun) a symbol, like x or y, that is used in mathematical or logical expressions to represent a value that may be changed
69. Don't _____ horses while crossing a stream.
v. to give something and receive something in trade
70. 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

ANSWERS: 63. nation, 64. manufactured, 65. attenuate, 66. fragments, 67. reaction, 68. variable, 69. swap, 70. lever

71. The movie has received almost universally _____ criticism.

adj. having the quality of something bad or harmful; expressing refusal

72. She explained the _____ surrounding the accident.

n. the specific conditions or events that surround a particular situation or occurrence

73. The meeting aims to _____ possible choices.

v. to assess or estimate the quality, significance, quantity, or value of something

74. The _____ truck arrived with the packages.

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

75. The ____ vaccine can expedite many approval processes because it does not contain a virus.

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

76. Dictators of the past often had the erroneous idea of a pure racial _____.

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

77. This device can more accurately detect _____ pathogens.

adj. relating to or caused by a virus

78. The experiment yielded _____ results that support his theory.

adj. sturdy and healthy in form, constitution, or construction; strong enough to withstand or overcome intellectual challenges or adversity

ANSWERS: 71. negative, 72. circumstances, 73. evaluate, 74. delivery, 75. mRNA, 76. strain, 77. viral, 78. robust

79. Our plan includes a comprehensive marketing _____.

n. a detailed plan of action designed to achieve a long-term or overall goal.

80. It is _____ that we leave for the airport now to catch our flight.

adj. requiring immediate attention or action; pressing

81. Too _____ a regulation for the private sector will stifle innovation.

adj. strongly limiting someone's freedom; allowing no deviation from a standard, rule, belief, etc.

82. An artist sculpted a full-size _____ of her body.

n. an exact copy of something such as a work of art

83. She still _____ writes a short romance novel.

adv. now and then; sometimes but not often

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

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

85. A technique called deep learning has led to _____ in AI.

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

86. It is a _____ in many families to have a big Thanksgiving dinner with all their relatives.

n. a belief, custom, or way of doing something that has been passed down from generation to generation within a group or society

ANSWERS: 79. strategy, 80. urgent, 81. strict, 82. replica, 83. occasionally, 84. component, 85. breakthroughs, 86. tradition

87. Writing a research paper can be a _____ task.
adj. requiring a significant amount of time or effort to complete
88. During colonial eras, new migratory patterns _____.
v. to move out of or away from something and become visible
89. In medieval times, death punishment was _____ and socially accepted.
adj. existing or happening in various places or among many people
90. We cannot _____ enough raw material sources.
v. to promise something will happen formally, especially that certain conditions about a product, service, or transaction would be met
91. These descriptions are based on a number of _____ assumptions.
adj. amounting to a large indefinite number
92. I advised him to _____ to his new surroundings.
v. to make fit for or change to suit a new purpose or environment
93. The era of the industrial revolution was a crucial _____ of history.
n. any stage in a series of events, change, or development
94. Jockey's superior _____ brought him victory.
n. a particular way or art of doing something that needs skill
95. The team had to _____ to complete the project on time.
v. to work together with one or more people or organizations to achieve a goal
96. The process was carried out at _____ cost.
adj. tiny in amount; the least possible

ANSWERS: 87. time-consuming, 88. emerged, 89. widespread, 90. guarantee, 91. numerous, 92. adapt, 93. phase, 94. technique, 95. cooperate, 96. minimal

97. We had to take our dog to the ____ because she was not feeling well.
- n.* (also a veterinarian) a person who has a medical degree trained to examine and take care of the health of animals; (verb) to carefully examine, investigate, or evaluate someone or something, often for the purpose of determining suitability or eligibility
98. Considering the situation of _____ organized stopped this year's beer festival.
- n.* a large family of viruses that can cause illness in humans and animals, which name comes from the crown-like spikes on the surface of the virus, which can be seen under a microscope, and COVID-19 is caused by a specific type of coronavirus known as SARS-CoV-2
99. Synchronized swimming needs close _____ between six performers.
- n.* the act of making all the people involved in a plan or activity work together effectively; the ability to control different parts of the body effectively
100. She made a collage from _____ of paper and fabric from the art supply store.
- n.* a small piece or amount of something, especially leftover from a larger whole
101. Most people thought of him as a _____ eccentric.
- adj.* not able or not likely to cause damage or harm
102. He tried every possible treatment, including chemotherapy and _____ therapy.
- n.* the energy that comes from a nuclear reaction in the form of rays, waves, or particles and that can be hazardous to health

ANSWERS: 97. vet, 98. coronavirus, 99. coordination, 100. scraps, 101. harmless, 102. radiation