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Vocabulary Builder Reference from...

Kaitlyn Sadtler and Elizabeth Wayne: How the COVID-19 vaccines were created so quickly | TED Talk

https://www.ted.com/talks/kaitlyn_sadtler_and_elizabeth_wayne_how_the_covid_19_vaccines_were_created_so_quickly

All Words

IMPORTANT

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Session 1: Word List

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.

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.

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.

emergency

n. a sudden unforeseen crisis usually involving danger that requires immediate action

synonym : crisis, trouble, difficulty

(1) **emergency** action, (2) acute **emergency**

The president declared a state of **emergency**.

medical

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

synonym : health, disease, treatment

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

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

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.

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.

treatment

n. the way in which someone deals with or behaves towards someone or something; medical care provided

to a patient for an injury or illness.

synonym : remedy, antidote, medicine

(1) first-aid **treatment**, (2) **treatment** by diet

The primary purpose of the **treatment** is pain relief.

cellular

adj. of or connected with the cells of animals or plants; of or connected with a mobile telephone system that uses several short-range radio stations instead of wires

synonym : organic, biological, nuclear

(1) **cellular** and molecular biology, (2) a **cellular** phone handset

This factory employs a **cellular** manufacturing system.

machinery

n. a group of large machines or the components of a machine that make it work; social institution functions or structure for doing something

synonym : apparatus, appliance, equipment

(1) heavy **machinery**, (2) inactive **machinery**

The **machinery** of audit formally issued a business improvement order.

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.

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.

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**.

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.

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**.

revolutionary

adj. relating to or characterized by a complete or dramatic change

synonym: radical, innovative, groundbreaking

(1) **revolutionary** change, (2) enforce **revolutionary** justice

The **revolutionary** leader inspired others to join the fight for freedom and democracy.

ingredient

n. one of the things used to make something, especially one of the foods used to make a particular dish

synonym : element, component

(1) secret **ingredients**, (2) compound the **ingredients**

Greed is the primary **ingredient** in the making of criminals.

messenger

n. someone or something that carries a message, especially one sent to convey information, news, or an official document

synonym : courier, transmitter, envoy

(1) **messenger** app, (2) a secret **messenger**

An mRNA vaccine is a type of vaccine that uses a copy of a molecule called **messenger** RNA.

RNA

n. (an acronym for Ribonucleic Acid) a type of nucleic acid molecule present in living cells, which plays a crucial role in various biological processes, such as coding, decoding, regulation, and expression of genes

synonym : ribonucleic acid

(1) **RNA** synthesis, (2) transfer **RNA**

RNA molecules can fold into complex three-dimensional structures, enabling them to carry out various biological functions.

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.

naturally

adv. as might be expected; by natural manners

synonym : by nature, inherently, intrinsically

(1) **naturally** arising, (2) **naturally** regenerated forest

He was **naturally** gifted.

molecule

n. a group of two or more atoms held together by attractive forces known as chemical bonds

synonym: particle, element, atom

(1) small **molecules**, (2) **molecule** behavior

The shape of the DNA **molecule** is a double helix.

encode

v. to convert information into a code or format suitable for storage or transmission

synonym: transcribe, convert

(1) **encode** data, (2) **encode** information

The software can **encode** and decode encrypted messages.

instruction

n. detailed direction, order, etc., on how to do or use something

synonym: education, direction, guidance

(1) individual **instruction**, (2) follow his **instructions**

They needed further **instruction** to perform their duties efficiently.

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.

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.

ribosome

n. a cellular structure made of RNA and protein that helps in the production of proteins

(1) coli **ribosome**, (2) **ribosome** binding

Ribosome dysfunction can lead to diseases such as muscular dystrophy.

translate

v. to convert or change words into another language

synonym: convert, transcribe, render

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

Translate the text from Italian into English.

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.

trillion

n. the number 1,000,000,000,000; a million million

(1) **trillion** cubic feet, (2) many **trillions** of dollars

One light year is nearly 6 **trillion** miles.

specific

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

synonym: particular, definite, distinct

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

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

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.

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.

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.

nanoparticle

n. a particle of matter that is between 1 and 100 nanometres (nm) in diameter

(1) aluminum **nanoparticle**, (2) atmospheric **nanoparticle**

For some creatures, carbon **nanoparticles** are deadly.

roughly

adv. approximately but not precisely; with a violent manner

synonym : approximately, more or less, around

(1) **roughly** explain my idea, (2) **roughly** speaking

Five miles is **roughly** similar to eight kilometers.

lipid

n. any of a group of organic compounds, including fats, oils, and waxes, that are insoluble in water but soluble in organic solvents and are essential constituents of living cells

synonym : fat, oil, phospholipid

(1) **lipid** metabolism, (2) blood **lipid** profile

Omega-3 fatty acids, found in foods like fish and nuts, are a type of **lipid** that is good for heart health.

fatty

adj. containing a lot of fat

synonym : greasy, oily

(1) less **fatty** meat, (2) **fatty** acid

You should keep away from **fatty** foods.

membrane

n. a soft, thin layer that forms animal or vegetable tissue
synonym : tissue layer

(1) cell **membranes**, (2) nuclear **membrane**

Loud noises might harm the fragile ear **membrane**.

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.

assist

v. to help someone in doing anything

synonym : help, support, aid

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

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

intact

adj. undamaged and complete

synonym : flawless, unchanged, entire

(1) **intact** brain, (2) **intact** forestland

Despite the scandals, his reputation remained **intact**.

destination

n. the place to which someone or something is going or being sent; the ultimate purpose or goal of a journey or action

synonym : location, endpoint, target

(1) travel **destination**, (2) romantic **destinations**

I am excited to reach my **destination** and explore the new city finally.

temperature

n. the degree of hotness or coldness of a thing or place

synonym : climate, warmth, degree

(1) extreme **temperatures**, (2) the atmospheric **temperature**

Cities around the world set records for highest **temperatures** this summer.

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.

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.

disperse

v. to spread out or distribute over a broad region, or to cause something to do so

synonym : dissipate, spread, scatter

(1) **disperse** false information, (2) **disperse** the protesters

Before authorities **dispersed** the protesters, they yelled slogans.

encounter

v. to face something, particularly something unpleasant or difficult, while attempting to do something else; to meet, especially unexpectedly

synonym : meet, run into, come across

(1) **encounter** a crisis, (2) **encounter** a storm

I'm prepared to **encounter** challenges throughout this adventure.

fuse

n. a small part in an electrical device or machinery that can interrupt the flow of electrical current when it is overloaded; (verb) to become plastic or fluid or liquefied from heat

synonym : (verb) melt, (verb) blend

(1) **fuse** blows, (2) **fuse** with one another

He has a short **fuse**.

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.

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.

addition

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

synonym: accumulation, expansion, addendum

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

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

enzyme

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

synonym: catalyst, activator, accelerator

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

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

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.

assemble

v. to collect in one place as a single group

synonym: gather, congregate, collect

(1) **assemble** your colleagues, (2) **assemble** a jigsaw puzzle

The president began to **assemble** an army.

spike

n. a narrow, thin, pointed piece of metal, wood, etc.; a sudden large increase in the magnitude or concentration of something

synonym : end, spindle, point

(1) to **spike**, (2) to prevent blood sugar **spikes**

The recent **spike** in grain prices is partly due to the war in the producing countries.

typical

adj. having the usual characteristics or traits of a specific group of things

synonym : characteristic, usual, distinctive

(1) **typical** leader, (2) fairly **typical** symptoms

This artwork is **typical** of her work.

lone

adj. solitary or single

synonym : solitary, single, alone

(1) a **lone** flight, (2) a **lone** house in the field

The **lone** traveler walked along the deserted road.

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.

activate

v. make something start working, more active or dynamic

synonym : mobilize, stimulate, initiate

(1) **activate** a receptor, (2) **activate** a motor

You must **activate** the software with a 16-digit key before you can use it.

fatigue

n. a feeling of tiredness or weariness, especially as a result of physical or mental exertion; the reduction in the strength or efficiency of a material or structure due to repeated use or stress

synonym : exhaustion, weariness, tiredness

(1) **fatigue** breaking, (2) **fatigue** caused by overwork

The metal showed signs of **fatigue** after being subjected to repeated stress.

sore

adj. painful or sensitive to the touch; inflamed or irritated; feeling deep distress, grief, or regret

synonym : aching, tender, angered

(1) **sore** throat, (2) **sore** back

After the workout, my muscles were **sore** and achy.

recipient

n. a person who receives something

synonym : receiver, beneficiary

(1) a **recipient** of a Nobel prize, (2) a **recipient** of a lung transplant

When performing an organ transplant, it is necessary to test for compatibility between the donor and **recipient**.

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.

stick

v. to put something, usually a sharp object, into something; to restrict yourself to doing or using one certain thing and not change; (noun) a thin piece of wood or other material

synonym : pierce, adhere, stay

(1) **stick** a key in a lock, (2) fire **stick**

You **stick** a bill in the change machine, and the coins pop out.

defend

v. to protect someone or something from attack, criticism, danger, etc.

synonym : protect, guard, support

(1) **defend** my country, (2) **defend** against a threat

International law allows each nation to **defend** itself when its

rights and interests are illegally violated.

variant

n. something that is slightly different from others of the same type

synonym: variation, modification, variance

(1) **variant** types of pigeon, (2) a **variant** of the same word

The first **variant** of the virus appeared in less than a month.

threat

n. a strong indication or likelihood of harm, danger, or adverse consequences; an expression of intent to inflict harm or injury on someone or something, often made as a means of coercion or intimidation

synonym: menace, danger, hazard

(1) economic **threat**, (2) environmental **threat**

The **threat** of severe weather prompted the city to issue an evacuation warning.

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**.

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.

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.

amputate

v. to cut off a part of the body, especially by surgery

synonym: cut off, cut away

(1) **amputate** both legs, (2) **amputate** below the knee

Finally, they had to **amputate** his foot to free him from the wrecked car.

sect

n. a group of people who follow a particular religious or philosophical belief system, especially one that is regarded as outside the norm or mainstream

synonym: group, faction, cult

(1) **sect** beliefs, (2) secret **sect**

The minority **sect** believed in a set of unconventional religious practices.

intensive

adj. involving a lot of work or activity in a short time

synonym: thorough, comprehensive, in-depth

(1) **intensive** agriculture, (2) **intensive** care

The construction industry is labor **intensive**, although it has been somewhat automated by introducing large machinery.

unique

adj. being the only one of its kind; unlike anything else

synonym: one-of-a-kind, unparalleled, incomparable

(1) a **unique** teacher, (2) **unique** design

The painting is **unique**, and there is no other like it.

particle

n. a small piece of something; a word or piece of a term with grammatical function but little or no significance

synonym: atom, grain, bit

(1) charged **particle**, (2) **particle** energy

We can calculate the position of the **particles** statistically.

scratch

v. to cut or damage the surface of something or the skin with a sharp or pointed object

synonym: claw, rub, scrape

(1) **scratch** off a name, (2) **scratch** my signature

Don't **scratch** your mosquito bites.

adjust

v. to make a minor modification to something to make it more suited for a new set of conditions or to make it function better.

synonym: adapt, alter, acclimate

(1) **adjust** a schedule, (2) **adjust** the rearview mirror

You have to **adjust** your content to the age of the audience.

reliable

adj. worthy of being relied on; trustworthy

synonym: dependable, trustworthy, dedicated

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

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

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.

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.

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.

platform

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

synonym : stage, podium, forum

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

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

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.

Session 2: Spelling

- | | | |
|--------------------------------------|------|--|
| 1. am_____te below the knee | v. | to cut off a part of the body, especially by surgery |
| 2. en_____er a storm | v. | to face something, particularly something unpleasant or difficult, while attempting to do something else; to meet, especially unexpectedly |
| 3. en_____er a crisis | v. | to face something, particularly something unpleasant or difficult, while attempting to do something else; to meet, especially unexpectedly |
| 4. 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 |
| 5. produce an_____dy | n. | a substance produced in the blood that attacks and kills harmful bacteria, viruses, etc., to fight disease |
| 6. R_A synthesis | n. | (an acronym for Ribonucleic Acid) a type of nucleic acid molecule present in living cells, which plays a crucial role in various biological processes, such as coding, decoding, regulation, and expression of genes |
| 7. sp_____ic instructions | adj. | clearly defined or particular to a certain thing or situation; distinct, explicit, and precise |
| 8. tr_____te a document into English | v. | to convert or change words into another language |

ANSWERS: 1. amputate, 2. encounter, 3. encounter, 4. disease, 5. antibody, 6. RNA, 7. specific, 8. translate

9. fa____e breaking *n.* a feeling of tiredness or weariness, especially as a result of physical or mental exertion; the reduction in the strength or efficiency of a material or structure due to repeated use or stress
10. 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
11. rev_____ary change *adj.* relating to or characterized by a complete or dramatic change
12. secret s__t *n.* a group of people who follow a particular religious or philosophical belief system, especially one that is regarded as outside the norm or mainstream
13. a ro___t appetite *adj.* sturdy and healthy in form, constitution, or construction; strong enough to withstand or overcome intellectual challenges or adversity
14. a l__e flight *adj.* solitary or single
15. a va_____t of the same word *n.* something that is slightly different from others of the same type
16. as_____le your colleagues *v.* to collect in one place as a single group
17. st__k a key in a lock *v.* to put something, usually a sharp object, into something; to restrict yourself to doing or using one certain thing and not change; (noun) a thin piece of wood or other material

ANSWERS: 9. fatigue, 10. introduction, 11. revolutionary, 12. sect, 13. robust, 14. lone, 15. variant, 16. assemble, 17. stick

18. a ch____al compound *adj.* relating to or connected with chemistry;
19. nuclear m__A *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
20. en___e data *v.* to convert information into a code or format suitable for storage or transmission
21. economic th___t *n.* a strong indication or likelihood of harm, danger, or adverse consequences; an expression of intent to inflict harm or injury on someone or something, often made as a means of coercion or intimidation
22. a digital pl_____m for enterprise *n.* the raised flat space close to the track at a train station where passengers get on or off the train; (technology) a computational or digital environment in which a piece of software is executed
23. id_____fy handwriting *v.* to recognize someone or something and say or prove who or what they are
24. 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
25. in___t forestland *adj.* undamaged and complete

ANSWERS: 18. chemical, 19. mRNA, 20. encode, 21. threat, 22. platform, 23. identify, 24. introduction, 25. intact

26. en___e reaction *n.* a substance produced by a living organism that acts as a catalyst to bring about a specific biochemical reaction
27. em___e as a butterfly *v.* to move out of or away from something and become visible
28. a me_____l opinion *adj.* relating to the treatment of illness or injuries; relating to the practice of medicine
29. cor_____us bankruptcy *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
30. a secret me_____er *n.* someone or something that carries a message, especially one sent to convey information, news, or an official document
31. in_____ve care *adj.* involving a lot of work or activity in a short time
32. as___t his goal *v.* to help someone in doing anything
33. in_____ve agriculture *adj.* involving a lot of work or activity in a short time
34. a ge_____c disorder *adj.* of or relating to genes (= parts of the DNA in cells) or the science of genes
35. sc_____h off a name *v.* to cut or damage the surface of something or the skin with a sharp or pointed object

ANSWERS: 26. enzyme, 27. emerge, 28. medical, 29. coronavirus, 30. messenger, 31. intensive, 32. assist, 33. intensive, 34. genetic, 35. scratch

36. a un___e teacher *adj.* being the only one of its kind; unlike anything else
37. re_____le access *adj.* worthy of being relied on; trustworthy
38. transfer R_A *n.* (an acronym for Ribonucleic Acid) a type of nucleic acid molecule present in living cells, which plays a crucial role in various biological processes, such as coding, decoding, regulation, and expression of genes
39. stress pr_____n *n.* a molecule made up of a long chain of amino acids, which is essential for the structure and function of the body's tissues
40. tr_____r a biochemical response *v.* to make something happen suddenly; to cause something such as a device, machine, etc. to function
41. small mo_____les *n.* a group of two or more atoms held together by attractive forces known as chemical bonds
42. 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
43. industry-sp_____ic regulations *adj.* clearly defined or particular to a certain thing or situation; distinct, explicit, and precise
44. guarantee re_____le delivery *adj.* worthy of being relied on; trustworthy
45. f__e with one another *n.* a small part in an electrical device or machinery that can interrupt the flow of electrical current when it is overloaded; (verb) to become plastic or fluid or liquefied from heat

ANSWERS: 36. unique, 37. reliable, 38. RNA, 39. protein, 40. trigger, 41. molecule, 42. immune, 43. specific, 44. reliable, 45. fuse

46. an arrival pl_____rm
47. s__p seats
48. acute em_____cy
49. en_____er shortage
50. an inf_____us fever
51. many tr_____ons of dollars
52. ro_____y speaking
53. a re_____nt of a lung transplant
54. de____d my country
55. decision-making pr_____s
- n.* the raised flat space close to the track at a train station where passengers get on or off the train; (technology) a computational or digital environment in which a piece of software is executed
- v.* to give something and receive something in trade
- n.* a sudden unforeseen crisis usually involving danger that requires immediate action
- n.* a person whose job is designing, building, or maintaining something such as machines, structures, or software
- adj.* able to be passed quickly from one person, animal, or plant to another, especially through air or water
- n.* the number 1,000,000,000,000; a million million
- adv.* approximately but not precisely; with a violent manner
- n.* a person who receives something
- v.* to protect someone or something from attack, criticism, danger, etc.
- 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

ANSWERS: 46. platform, 47. swap, 48. emergency, 49. engineer, 50. infectious, 51. trillion, 52. roughly, 53. recipient, 54. defend, 55. process

56. s__t beliefs *n.* a group of people who follow a particular religious or philosophical belief system, especially one that is regarded as outside the norm or mainstream
57. ri_____me binding *n.* a cellular structure made of RNA and protein that helps in the production of proteins
58. a l__e house in the field *adj.* solitary or single
59. spare co_____nts for cars *n.* one of several parts that combines with others to form something bigger
60. pr_____s improvement *n.* a series of actions or operations performed to achieve a particular outcome or goal; a systematic procedure or approach used to accomplish a specific task or objective; a method of treating milk to make it suitable for consumption or use in other dairy products
61. ad___t the rearview mirror *v.* to make a minor modification to something to make it more suited for a new set of conditions or to make it function better.
62. ad___t a schedule *v.* to make a minor modification to something to make it more suited for a new set of conditions or to make it function better.
63. against tr_____on *n.* a belief, custom, or way of doing something that has been passed down from generation to generation within a group or society

ANSWERS: 56. sect, 57. ribosome, 58. lone, 59. component, 60. process, 61. adjust, 62. adjust, 63. tradition

64. key co_____nt *n.* one of several parts that combines with others to form something bigger
65. 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
66. em_____cy action *n.* a sudden unforeseen crisis usually involving danger that requires immediate action
67. lack of digestive en_____es *n.* a substance produced by a living organism that acts as a catalyst to bring about a specific biochemical reaction
68. atmospheric nan_____cle *n.* a particle of matter that is between 1 and 100 nanometres (nm) in diameter
69. 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
70. na_____ly regenerated forest *adv.* as might be expected; by natural manners
71. ro_____y explain my idea *adv.* approximately but not precisely; with a violent manner
72. follow his ins_____ons *n.* detailed direction, order, etc., on how to do or use something
73. f__e blows *n.* a small part in an electrical device or machinery that can interrupt the flow of electrical current when it is overloaded; (verb) to become plastic or fluid or liquefied from heat

ANSWERS: 64. component, 65. disease, 66. emergency, 67. enzyme, 68. nanoparticle, 69. threshold, 70. naturally, 71. roughly, 72. instruction, 73. fuse

74. treat the in_____on with antibiotics *n.* a condition in which pathogenic microorganisms or viruses have entered the body
75. good source of essential amino acids *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
76. 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
77. toxic ch_____als *adj.* relating to or connected with chemistry;
78. 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
79. m__A translation *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
80. fire st__k *v.* to put something, usually a sharp object, into something; to restrict yourself to doing or using one certain thing and not change; (noun) a thin piece of wood or other material
81. s__p columns with rows *v.* to give something and receive something in trade

ANSWERS: 74. infection, 75. acid, 76. develop, 77. chemical, 78. immune, 79. mRNA, 80. stick, 81. swap

82. a st___n of bacillus *n.* a force or pressure that stretches or pulls something, sometimes causing damage; (biology) a group of organisms within a species that differ in trivial ways from similar groups
83. a bacterial in_____on *n.* a condition in which pathogenic microorganisms or viruses have entered the body
84. pa_____le energy *n.* a small piece of something; a word or piece of a term with grammatical function but little or no significance
85. detect a vi___l code *adj.* relating to or caused by a virus
86. the atmospheric tem_____re *n.* the degree of hotness or coldness of a thing or place
87. cell me_____nes *n.* a soft, thin layer that forms animal or vegetable tissue
88. environmental th_____t *n.* a strong indication or likelihood of harm, danger, or adverse consequences; an expression of intent to inflict harm or injury on someone or something, often made as a means of coercion or intimidation
89. sc_____h my signature *v.* to cut or damage the surface of something or the skin with a sharp or pointed object
90. tr_____on cubic feet *n.* the number 1,000,000,000,000; a million million
91. pr_____n synthesis *n.* a molecule made up of a long chain of amino acids, which is essential for the structure and function of the body's tissues

ANSWERS: 82. strain, 83. infection, 84. particle, 85. viral, 86. temperature, 87. membrane, 88. threat, 89. scratch, 90. trillion, 91. protein

92. di____se the protesters *v.* to spread out or distribute over a broad region, or to cause something to do so
93. me_____er app *n.* someone or something that carries a message, especially one sent to convey information, news, or an official document
94. as____t a patient *v.* to help someone in doing anything
95. li__d metabolism *n.* any of a group of organic compounds, including fats, oils, and waxes, that are insoluble in water but soluble in organic solvents and are essential constituents of living cells
96. temporary me____l treatment *adj.* relating to the treatment of illness or injuries; relating to the practice of medicine
97. s__e throat *adj.* painful or sensitive to the touch; inflamed or irritated; feeling deep distress, grief, or regret
98. romantic des_____ons *n.* the place to which someone or something is going or being sent; the ultimate purpose or goal of a journey or action
99. cor_____us antibody test kit *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

ANSWERS: 92. disperse, 93. messenger, 94. assist, 95. lipid, 96. medical, 97. sore, 98. destination, 99. coronavirus

100. tr_____nt by diet *n.* the way in which someone deals with or behaves towards someone or something; medical care provided to a patient for an injury or illness.
101. de____d against a threat *v.* to protect someone or something from attack, criticism, danger, etc.
102. as_____le a jigsaw puzzle *v.* to collect in one place as a single group
103. 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.)
104. fight vi__l infections *adj.* relating to or caused by a virus
105. 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
106. heavy ma_____ry *n.* a group of large machines or the components of a machine that make it work; social institution functions or structure for doing something
107. charged pa_____le *n.* a small piece of something; a word or piece of a term with grammatical function but little or no significance
108. a ce_____ar phone handset *adj.* of or connected with the cells of animals or plants; of or connected with a mobile telephone system that uses several short-range radio stations instead of wires

ANSWERS: 100. treatment, 101. defend, 102. assemble, 103. vaccine, 104. viral, 105. develop, 106. machinery, 107. particle, 108. cellular

109. aluminum nan_____cle *n.* a particle of matter that is between 1 and 100 nanometres (nm) in diameter
110. individual ins_____on *n.* detailed direction, order, etc., on how to do or use something
111. first-aid tr_____nt *n.* the way in which someone deals with or behaves towards someone or something; medical care provided to a patient for an injury or illness.
112. nuclear me_____ne *n.* a soft, thin layer that forms animal or vegetable tissue
113. ce_____ar and molecular biology *adj.* of or connected with the cells of animals or plants; of or connected with a mobile telephone system that uses several short-range radio stations instead of wires
114. in_____t under the skin *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)
115. ad_____on of vectors *n.* the act or process of adding something to something else; the process of adding numbers
116. ha_____ss substances *adj.* not able or not likely to cause damage or harm
117. re_____e CO2 into the air *v.* to set free or allow to escape from confinement
118. a tr_____on of a culture *n.* a belief, custom, or way of doing something that has been passed down from generation to generation within a group or society

ANSWERS: 109. nanoparticle, 110. instruction, 111. treatment, 112. membrane, 113. cellular, 114. inject, 115. addition, 116. harmless, 117. release, 118. tradition

119. em___e from poverty *v.* to move out of or away from something and become visible
120. 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
121. re_____e a prisoner *v.* to set free or allow to escape from confinement
122. 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
123. a re_____nt of a Nobel prize *n.* a person who receives something
124. id_____fy gene sequences *v.* to recognize someone or something and say or prove who or what they are
125. 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
126. travel des_____on *n.* the place to which someone or something is going or being sent; the ultimate purpose or goal of a journey or action
127. un_____e design *adj.* being the only one of its kind; unlike anything else
128. 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
129. mo_____le behavior *n.* a group of two or more atoms held together by attractive forces known as chemical bonds

ANSWERS: 119. emerge, 120. infectious, 121. release, 122. advantage, 123. recipient, 124. identify, 125. degree, 126. destination, 127. unique, 128. degree, 129. molecule

130. extreme tem_____res *n.* the degree of hotness or coldness of a thing or place
131. chemical ad_____on *n.* the act or process of adding something to something else; the process of adding numbers
132. 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
133. a fl_____le wire *adj.* able to change or be changed to suit new conditions or situations; able to bend easily
134. inactive ma_____ry *n.* a group of large machines or the components of a machine that make it work; social institution functions or structure for doing something
135. en_____e information *v.* to convert information into a code or format suitable for storage or transmission
136. fa__y acid *adj.* containing a lot of fat
137. na_____ly arising *adv.* as might be expected; by natural manners
138. spread of the vi__s *n.* a tiny infectious organic material that causes disease in people, animals, and plants
139. less fa__y meat *adj.* containing a lot of fat
140. secret ing_____nts *n.* one of the things used to make something, especially one of the foods used to make a particular dish

ANSWERS: 130. temperature, 131. addition, 132. threshold, 133. flexible, 134. machinery, 135. encode, 136. fatty, 137. naturally, 138. virus, 139. fatty, 140. ingredient

141. di_____se false information *v.* to spread out or distribute over a broad region, or to cause something to do so
142. fa_____e caused by overwork *n.* a feeling of tiredness or weariness, especially as a result of physical or mental exertion; the reduction in the strength or efficiency of a material or structure due to repeated use or stress
143. 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
144. ha_____ss in most people *adj.* not able or not likely to cause damage or harm
145. coli ri_____me *n.* a cellular structure made of RNA and protein that helps in the production of proteins
146. an_____dy against bacteria *n.* a substance produced in the blood that attacks and kills harmful bacteria, viruses, etc., to fight disease
147. compound the ing_____nts *n.* one of the things used to make something, especially one of the foods used to make a particular dish
148. to prevent blood sugar sp___es *n.* a narrow, thin, pointed piece of metal, wood, etc.; a sudden large increase in the magnitude or concentration of something
149. fairly ty_____l symptoms *adj.* having the usual characteristics or traits of a specific group of things
150. in____t brain *adj.* undamaged and complete

ANSWERS: 141. disperse, 142. fatigue, 143. advantage, 144. harmless, 145. ribosome, 146. antibody, 147. ingredient, 148. spike, 149. typical, 150. intact

151. an a__d reaction *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
152. s__e back *adj.* painful or sensitive to the touch; inflamed or irritated; feeling deep distress, grief, or regret
153. ac____te a receptor *v.* make something start working, more active or dynamic
154. blood li__d profile *n.* any of a group of organic compounds, including fats, oils, and waxes, that are insoluble in water but soluble in organic solvents and are essential constituents of living cells
155. tr____r inflation *v.* to make something happen suddenly; to cause something such as a device, machine, etc. to function
156. in__t a personal opinion into a debate *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)
157. enforce rev____ary justice *adj.* relating to or characterized by a complete or dramatic change
158. a civil en____er *n.* a person whose job is designing, building, or maintaining something such as machines, structures, or software
159. to sp__e *n.* a narrow, thin, pointed piece of metal, wood, etc.; a sudden large increase in the magnitude or concentration of something

ANSWERS: 151. acid, 152. sore, 153. activate, 154. lipid, 155. trigger, 156. inject, 157. revolutionary, 158. engineer, 159. spike

160. ac____te a motor *v.* make something start working, more active or dynamic
161. have ge____c testing *adj.* of or relating to genes (= parts of the DNA in cells) or the science of genes
162. am____te both legs *v.* to cut off a part of the body, especially by surgery
163. fl____le schedules *adj.* able to change or be changed to suit new conditions or situations; able to bend easily
164. va____t types of pigeon *n.* something that is slightly different from others of the same type
165. 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.)
166. st____n our eyes *n.* a force or pressure that stretches or pulls something, sometimes causing damage; (biology) a group of organisms within a species that differ in trivial ways from similar groups
167. ty____l leader *adj.* having the usual characteristics or traits of a specific group of things
168. ro____t growth *adj.* sturdy and healthy in form, constitution, or construction; strong enough to withstand or overcome intellectual challenges or adversity
169. tr____te the emotion to a movement *v.* to convert or change words into another language

ANSWERS: 160. activate, 161. genetic, 162. amputate, 163. flexible, 164. variant, 165. vaccine, 166. strain, 167. typical, 168. robust, 169. translate

170. a strain of vi__s

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

ANSWERS: 170. virus

Session 3: Fill in the Blanks

1. Cities around the world set records for highest _____ this summer.
n. the degree of hotness or coldness of a thing or place
2. Trains are _____ inexpensive, and ideal for long-distance travel.
adj. worthy of being relied on; trustworthy
3. 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
4. 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)
5. They needed further _____ to perform their duties efficiently.
n. detailed direction, order, etc., on how to do or use something
6. I'm prepared to _____ challenges throughout this adventure.
v. to face something, particularly something unpleasant or difficult, while attempting to do something else; to meet, especially unexpectedly
7. The _____ leader inspired others to join the fight for freedom and democracy.
adj. relating to or characterized by a complete or dramatic change
8. The speaker mounted the _____ and started to speak.
n. the raised flat space close to the track at a train station where passengers get on or off the train; (technology) a computational or digital environment in which a piece of software is executed

ANSWERS: 1. temperatures, 2. reliable, 3. strain, 4. inject, 5. instruction, 6. encounter, 7. revolutionary, 8. platform

9. The painting is _____ and there is no other like it.

adj. being the only one of its kind; unlike anything else

10. 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

11. 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

12. The president began to _____ an army.

v. to collect in one place as a single group

13. Most people thought of him as a _____ eccentric.

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

14. 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

15. 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

16. Omega-3 fatty acids, found in foods like fish and nuts, are a type of _____ that is good for heart health.

n. any of a group of organic compounds, including fats, oils, and waxes, that are insoluble in water but soluble in organic solvents and are essential constituents of living cells

ANSWERS: 9. unique, 10. degree, 11. develop, 12. assemble, 13. harmless, 14. protein, 15. genetic, 16. lipid

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

v. to give something and receive something in trade

18. Please _____ her with the furniture relocation.

v. to help someone in doing anything

19. 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

20. Loud noises might harm the fragile ear _____.

n. a soft, thin layer that forms animal or vegetable tissue

21. The primary purpose of the _____ is pain relief.

n. the way in which someone deals with or behaves towards someone or something; medical care provided to a patient for an injury or illness.

22. He was _____ gifted.

adv. as might be expected; by natural manners

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

adj. relating to or connected with chemistry;

24. 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

ANSWERS: 17. swap, 18. assist, 19. acid, 20. membrane, 21. treatment, 22. naturally, 23. chemical, 24. mRNA

25. The president declared a state of _____.

n. a sudden unforeseen crisis usually involving danger that requires immediate action

26. Before authorities _____ the protesters, they yelled slogans.

v. to spread out or distribute over a broad region, or to cause something to do so

27. This artwork is _____ of her work.

adj. having the usual characteristics or traits of a specific group of things

28. The software can _____ and decode encrypted messages.

v. to convert information into a code or format suitable for storage or transmission

29. _____ dysfunction can lead to diseases such as muscular dystrophy.

n. a cellular structure made of RNA and protein that helps in the production of proteins

30. After the workout, my muscles were _____ and achy.

adj. painful or sensitive to the touch; inflamed or irritated; feeling deep distress, grief, or regret

31. You _____ a bill in the change machine, and the coins pop out.

v. to put something, usually a sharp object, into something; to restrict yourself to doing or using one certain thing and not change; (noun) a thin piece of wood or other material

32. 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

ANSWERS: 25. emergency, 26. dispersed, 27. typical, 28. encode, 29. Ribosome, 30. sore, 31. stick, 32. immune

33. I am excited to reach my _____ and explore the new city finally.
- n.* the place to which someone or something is going or being sent; the ultimate purpose or goal of a journey or action
34. You have to _____ your content to the age of the audience.
- v.* to make a minor modification to something to make it more suited for a new set of conditions or to make it function better.
35. 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
36. Greed is the primary _____ in the making of criminals.
- n.* one of the things used to make something, especially one of the foods used to make a particular dish
37. The scientist conducted a study that provided _____ details about the species' behavior.
- adj.* clearly defined or particular to a certain thing or situation; distinct, explicit, and precise
38. This device can more accurately detect _____ pathogens.
- adj.* relating to or caused by a virus
39. This factory employs a _____ manufacturing system.
- adj.* of or connected with the cells of animals or plants; of or connected with a mobile telephone system that uses several short-range radio stations instead of wires

ANSWERS: 33. destination, 34. adjust, 35. antibody, 36. ingredient, 37. specific, 38. viral, 39. cellular

40. Don't _____ your mosquito bites.

- v.* to cut or damage the surface of something or the skin with a sharp or pointed object

41. One light year is nearly 6 _____ miles.

- n.* the number 1,000,000,000,000; a million million

42. For some creatures, carbon _____ are deadly.

- n.* a particle of matter that is between 1 and 100 nanometres (nm) in diameter

43. Leprosy is an indolent _____ disease.

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

44. The recent _____ in grain prices is partly due to the war in the producing countries.

- n.* a narrow, thin, pointed piece of metal, wood, etc.; a sudden large increase in the magnitude or concentration of something

45. 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

46. The _____ team worked quickly to save the patient's life.

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

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

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

ANSWERS: 40. scratch, 41. trillion, 42. nanoparticles, 43. infectious, 44. spike, 45. advantages, 46. medical, 47. enzyme

48. When performing an organ transplant, it is necessary to test for compatibility between the donor and _____.
- n.* a person who receives something
49. In _____ private corporations provide healthcare services.
- n.* the act or process of adding something to something else; the process of adding numbers
50. 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
51. 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
52. Despite the scandals, his reputation remained _____.
- adj.* undamaged and complete
53. He has a short _____.
- n.* a small part in an electrical device or machinery that can interrupt the flow of electrical current when it is overloaded; (verb) to become plastic or fluid or liquefied from heat
54. The animal rights group worked to _____ the dolphins back into the wild.
- v.* to set free or allow to escape from confinement
55. 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

ANSWERS: 48. recipient, 49. addition, 50. introduction, 51. disease, 52. intact, 53.

fuse, 54. release, 55. coronavirus,

56. An mRNA vaccine is a type of vaccine that uses a copy of a molecule called _____ RNA.
- n.* someone or something that carries a message, especially one sent to convey information, news, or an official document
57. 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
58. We can calculate the position of the _____ statistically.
- n.* a small piece of something; a word or piece of a term with grammatical function but little or no significance
59. Five miles is _____ similar to eight kilometers.
- adv.* approximately but not precisely; with a violent manner
60. The _____ of audit formally issued a business improvement order.
- n.* a group of large machines or the components of a machine that make it work; social institution functions or structure for doing something
61. Finally, they had to _____ his foot to free him from the wrecked car.
- v.* to cut off a part of the body, especially by surgery
62. 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
63. The first _____ of the virus appeared in less than a month.
- n.* something that is slightly different from others of the same type

ANSWERS: 56. messenger, 57. component, 58. particles, 59. roughly, 60. machinery, 61. amputate, 62. flexible, 63. variant

64. The _____ of severe weather prompted the city to issue an evacuation warning.

- n.* a strong indication or likelihood of harm, danger, or adverse consequences; an expression of intent to inflict harm or injury on someone or something, often made as a means of coercion or intimidation

65. 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

66. The minority _____ believed in a set of unconventional religious practices.

- n.* a group of people who follow a particular religious or philosophical belief system, especially one that is regarded as outside the norm or mainstream

67. You should keep away from _____ foods.

- adj.* containing a lot of fat

68. 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

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

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

70. 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

ANSWERS: 64. threat, 65. robust, 66. sect, 67. fatty, 68. virus, 69. infections, 70. process

71. 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
72. 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
73. ____ molecules can fold into complex three-dimensional structures, enabling them to carry out various biological functions.
- n.* (an acronym for Ribonucleic Acid) a type of nucleic acid molecule present in living cells, which plays a crucial role in various biological processes, such as coding, decoding, regulation, and expression of genes
74. The ____ traveler walked along the deserted road.
- adj.* solitary or single
75. The shape of the DNA _____ is a double helix.
- n.* a group of two or more atoms held together by attractive forces known as chemical bonds
76. The construction industry is labor _____ although it has been somewhat automated by introducing large machinery.
- adj.* involving a lot of work or activity in a short time
77. 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.)

ANSWERS: 71. tradition, 72. identify, 73. RNA, 74. lone, 75. molecule, 76. intensive, 77. vaccine

78. During colonial eras, new migratory patterns _____.

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

79. The incident _____ a political controversy.

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

80. The _____ will repair my telephone tomorrow morning.

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

81. International law allows each nation to _____ itself when its rights and interests are illegally violated.

- v. to protect someone or something from attack, criticism, danger, etc.

82. You must _____ the software with a 16-digit key before you can use it.

- v. make something start working, more active or dynamic

83. The metal showed signs of _____ after being subjected to repeated stress.

- n. a feeling of tiredness or weariness, especially as a result of physical or mental exertion; the reduction in the strength or efficiency of a material or structure due to repeated use or stress

84. _____ the text from Italian into English.

- v. to convert or change words into another language

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

ANSWERS: 78. emerged, 79. triggered, 80. engineer, 81. defend, 82. activate, 83. fatigue, 84. Translate, 85. threshold

ANSWERS: