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Vocabulary Builder Reference from...

Alex Gendler: How do ventilators work? | TED Talk
https://www.ted.com/talks/alex_gendler_how_do_ventilators_work

All Words

IMPORTANT

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Session 1: Word List

physician

n. a medical doctor who practices medicine

synonym: doctor, practitioner, medic

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

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

suffocate

v. to die or cause someone to die from lack of air or inability to breathe; to be overwhelmed or constricted by a feeling or situation, such as anxiety or oppression

synonym: choke, smother, stifle

(1) **suffocate** to death, (2) **suffocate** fire

People can **suffocate** from a lack of oxygen in confined spaces.

insert

v. to put something inside something else

synonym: introduce, add, embed

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

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

tube

n. a cylindrical container of metal, plastic, glass, etc., usually sealed and used as a means of preserving food or chemicals; a hollow cylindrical shape

synonym: pipe, hose, duct

(1) a capillary **tube**, (2) a glass **tube**

The **tube** train was packed with commuters during rush hour.

trachea

n. the tube-like structure in the body through which air moves from the larynx (= a part of the human respiratory system located in the neck region) to the bronchi (= part of the respiratory system and are responsible for conducting air into the lungs), also known as the windpipe

synonym : windpipe, bronchus

(1) **trachea** blockage, (2) **trachea** infection

Inhaling irritants can cause inflammation of the **trachea** and lead to coughing.

inflate

v. to fill something with air or gas so that it becomes bigger and rounder

synonym : blow up, expand, puff up

(1) **inflate** a tire, (2) **inflate** expense reports

She **inflated** the balloons for the party.

lung

n. either of the two organs in the chest that people and some animals use for breathing

(1) **lung** capacity, (2) do **lung** transplantation

He has terminal **lung** cancer.

procedure

n. a way of doing something, especially the official or well-known way

synonym : action, approach, course

(1) undergo a surgical **procedure**, (2) standard **procedure**

The pilot and flight attendant ran through the check-out **procedure**.

acclaim

n. praise or admiration that is expressed publicly; (verb) to praise or admire someone or something publicly

synonym : praise, admiration, welcome

(1) **acclaim** the winner, (2) treated with royal **acclaim**

The actor's performance in the play earned her widespread **acclaim** from the theater community.

recognize

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

synonym : acknowledge, identify, admit

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

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

mechanical

adj. operated by a machine, relating to or concerned with machinery or tools

synonym : machinelike, automated, automatic

(1) a **mechanical** style of writing, (2) the influence of **mechanical** action

A **mechanical** engineer is still in demand in many companies.

ventilation

n. the provision of fresh air, especially to a room or building

synonym : air circulation, aeration, airing

(1) **ventilation** system, (2) hyper- **ventilation** syndrome

The **ventilation** system in the building needed to be replaced.

crucial

adj. extremely vital or necessary

synonym : essential, pivotal, vital

(1) **crucial** information, (2) a **crucial** issue for women

The revitalization of technology companies is **crucial** to the country's growth.

modern

adj. of or belonging to the present time or recent times

synonym : contemporary, stylish, current

(1) **modern** poetry, (2) pre- **modern** agricultural society

Their headquarters are in a **modern** skyscraper.

medicinal

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

synonym : curative, therapeutic, healing

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

The **medicinal** properties of this herb have been known to

help with various ailments.

appreciate

v. to value and acknowledge the worth of someone or something; to be grateful for something or someone

synonym : acknowledge, admire, enjoy

(1) **appreciate** her feedback, (2) **appreciate** the value
We would **appreciate** an early reply.

respiratory

adj. relating to the organs and processes involved in breathing, such as the lungs and the act of inhaling and exhaling air

synonym : breathing, pulmonary, lung

(1) **respiratory** failure, (2) alleviate **respiratory** ailments
Chronic **respiratory** disorders, such as asthma, can significantly impact a person's quality of life.

contract

n. a legally binding agreement between two or more parties, setting out their rights and obligations to each other, typically in writing and enforceable by law

synonym : agreement, deal, arrangement

(1) employment **contract**, (2) **contract** law

The company signed a **contract** with the supplier for the delivery of goods.

diaphragm

n. a large, dome-shaped muscle located at the bottom of the chest cavity, essential for breathing and separating the chest and abdomen; a shallow, dome-shaped device with a flexible rim that is inserted into the vagina to cover the cervix and prevent sperm from reaching the uterus, serving as a method of birth control

synonym : midriff, pessary, shield

(1) **diaphragm** birth control, (2) **diaphragm** activity

Individuals with a weak **diaphragm** may experience difficulty breathing during physical activity.

expand

v. to increase or to make something greater in size, number, or importance

synonym :

extend, grow, boost

(1) **expand** a lineup, (2) **expand** agricultural output
They hope to **expand** their business worldwide.

cavity

n. an empty space or hollowness within a solid object, especially within the body, such as a tooth or bone; a hole or depression in a surface or the ground

synonym: hollows, holes, indenture

(1) tooth **cavity**, (2) **cavity** filling

I have a **cavity** in one of my molars and must schedule a dentist appointment.

alveolus

n. (in the plural, "alveoli") a small, hollow cavity, pit, or socket; the small sacs in the lungs, where gas exchange with the blood occurs

synonym: cavity, air sac, socket

(1) tooth **alveolus**, (2) **alveolus** function

Damage to the walls of an **alveolus** can lead to reduced lung function.

sac

n. a bag or pouch, typically made of fabric or leather, used to hold something valuable or important; a structure resembling a bag in an animal or plant

synonym: bag, pouch, knapsack

(1) **sac** contents, (2) abdominal **sac**

I placed my valuables in the **sac** before heading out on my hike.

balloon

n. a small bag made of thin rubber or other light material that can be inflated with air or gas, used as a toy or as a decoration; (verb) to become inflated

synonym: aerostat, blimp, (verb) billow out

(1) **balloon** ride, (2) **balloon** into a severe political problem

The satellite **balloon** slowly ascended into the sky.

surround

v. to be all around something or somebody

synonym: encircle, encompass, envelop

(1) **surround** a town, (2) a stone wall **surrounds** the palace
On three sides, mountains **surround** the settlement.

mesh

n. a material made of a network of wire, plastic, or thread
synonym: netting, weave, lattice

(1) a **mesh** fence, (2) the **mesh** of a basket
The **mesh** fabric was breathable and comfortable to wear.

capillary

n. a tube of small internal diameter; any of the minute tubes that carry blood

(1) a **capillary** tube, (2) **capillary** action
There are many **capillary** vessels in the gills of fish.

absorb

v. to take in a fluid or other substance gradually
synonym: consume, soak, ingest

(1) **absorb** energy, (2) **absorb** a shock
The sponge **absorbs** water well.

oxygen

n. the chemical element with the symbol O that is present in air and water and is necessary for people, animals, and plants to live

(1) the hydrogen binds the **oxygen**, (2) lack of **oxygen**
The passenger grabbed for the **oxygen** mask.

inflated

adj. swollen or blown up, especially with air or gas; excessively or unreasonably high

synonym: enlarged, swollen, distended

(1) **inflated** prices, (2) an **inflated** balloon
The athlete's ego became **inflated** by their success.

carbon

n. a chemical element that can be found in pure form as diamond or graphite, and it is also an essential part of coal and oil and is found in all plants and animals

(1) **carbon** dioxide, (2) **carbon** emission
Trees absorb **carbon** dioxide and give off oxygen.

oxide

n. a chemical compound that contains at least one oxygen atom and one other element

(1) silver **oxide**, (2) combined **oxide**

The blood's red coloring comes from iron **oxide**.

relax

v. to become or cause someone to become less active or tense and calmer

synonym: soften, comfort, soothe

(1) **relax** a series of muscles, (2) **relax** at home

The rules were **relaxed** after the new executive arrived.

exhale

v. to breathe out air or vapor from the lungs or mouth; to release or emit something slowly or gently

synonym: breathe out, expel, emit

(1) **exhale** a big sigh, (2) **exhale** cigarette smoke

He took a deep breath and slowly began to **exhale**.

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.

automatically

adv. without needing a direct human control

synonym: mechanically, unconsciously, spontaneously

(1) record driving **automatically**, (2) **automatically** adjusted

Our subscription plan is **automatically** renewed.

interrupt

v. to say or do something that causes someone to stop in their speech or action

synonym: disturb, hinder, break in

(1) **interrupt** a call, (2) abruptly **interrupt**

Her sleep was **interrupted** by recurring pain.

apnea

n. a temporary cessation of breathing, especially during sleep; a medical condition characterized by the repeated occurrence of such interruptions

synonym : breathing interruption, suspension of breath

(1) **apnea** treatment, (2) epileptic **apnea**

Sleep **apnea** is a severe condition that causes a person to stop breathing while asleep.

asthma

n. a chronic respiratory disease characterized by wheezing, coughing, and difficulty breathing

synonym : bronchial, bronchitis, respiratory ailment

(1) **asthma** attack, (2) **asthma** symptoms

He always had to carry an inhaler due to his severe **asthma**.

inflame

v. to cause very strong feelings such as anger or excitement in a person or a group of people

synonym : agitate, arouse, enrage

(1) **inflame** skin, (2) **inflame** his passion

Her eyes **inflamed** with crying.

airway

n. the air passage from the nose and throat to the lungs; a designated route followed by airplanes flying from one airport to another

synonym : air passage, air duct, skyway

(1) **airway** blockage, (2) **airway** beacon

When performing lifesaving, the first step is to secure the **airway**.

obstruct

v. to block or interfere with the passage, movement, or action of something or someone

synonym : block, impede, hinder

(1) **obstruct** an airway, (2) **obstruct** a bill

The road was blocked by a fallen tree, **obstructing** the path for all vehicles.

pneumonia

n. an infection or inflammation of the lungs, typically caused by bacteria, viruses, or other microorganisms

synonym : lung infection, bronchitis

(1) bacterial **pneumonia**, (2) viral **pneumonia**

She was hospitalized with a severe case of **pneumonia**.

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.

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.

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.

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**.

invade

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

synonym : intrude, raid, overrun

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

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

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**.

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**.

lethal

adj. causing or capable of causing death; extremely dangerous

synonym : destructive, fatal, brutal

(1) **lethal** injection, (2) **lethal** weapon

Malignant hypertension is the most **lethal** form of hypertension.

inflammation

n. a physical condition in which a part of the body becomes red, painful, hot, and often swollen, especially as a reaction to infection or injury

synonym : rash, hives, irritation

(1) reduce **inflammation** and pain, (2) **inflammation** of the lungs

The medicine soothes the pain of chronic **inflammation**.

fluid

n. a substance that can flow and is not solid

synonym : liquid, aqua, sap

(1) plenty of **fluids**, (2) **fluid** assets

She was diagnosed with a **fluid** buildup in her lungs.

buildup

n. the accumulation or increase of something over time
synonym: accumulation, increase, growth

(1) lactic acid **buildup**, (2) huge military **buildup**

The **buildup** of stress over time can lead to health problems.

render

v. to bring someone or something into a particular state; to provide something such as service, help, etc.

synonym: deliver, give, provide

(1) **render** an assessment, (2) **render** the contract void

The jury must **render** a decision on this complex case.

function

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

synonym: purpose, mapping, job

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

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

normally

adv. usually; under normal conditions

synonym: commonly, generally, naturally

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

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

ventilate

v. to supply fresh air to a room, building, etc.; to remove stale air from it

synonym: air out, circulate, freshen

(1) **ventilate** my opinion, (2) **ventilate** air

It's important to **ventilate** the room to avoid the buildup of harmful gases.

bypass

n. an alternative road, channel, pipe, or connection that allows flow while the main one is closed or obstructed;
(verb) to go past or round

(1) gastric **bypass** operation, (2) **bypass** circuit
This patient must undergo **bypass** surgery.

constrict

v. to make something narrow or tight, often restricting movement or flow; to become narrow or tighter
synonym : squeeze, compress, tighten

(1) **constrict** blood vessels, (2) **constrict** freedom
The snake's muscles began to **constrict** around its prey.

dam

n. a wall constructed over a river to block the flow of water, mainly used to generate energy
synonym : barricade, barrier, embankment

(1) **dam-building** program, (2) **dam** collapsing
The break in the **dam** threatened the valley.

diffuse

adj. spread out widely; not concentrated in one place
synonym : spread, scatter

(1) **diffuse** bleeding, (2) **diffuse** cloud
Direct lighting is preferable to **diffuse** lighting when reading.

pump

v. to cause water, air, gas, etc. to move from one place to another by using mechanical equipment; to get or supply something such as money, information, etc. in significant quantities
synonym : drain, inject, send

(1) **pump** a secret out of success, (2) **pump** blood throughout the body
He was alert and could not **pump** any critical information out of him.

patient

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

(1) **patient** in the hospital, (2) **patient** with weight loss
The doctor carefully examined the **patient's** medical history.

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.

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.

largely

adv. virtually entirely; to a large degree

synonym: mainly, chiefly, broadly

(1) **largely** accepted, (2) **largely** mitigate the issue

Nevada is **largely** a desert state.

approximate

adj. nearly accurate or correct, but not completely so

synonym: rough, close, near

(1) linear **approximate** equation, (2) **approximate** time

The **approximate** cost of the project was estimated to be around \$500,000.

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.

achieve

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

synonym: accomplish, attain, reach

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

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

tight

adj. fixed, fastened, or kept together firmly or closely

synonym : closed, secured, cramped

(1) a **tight** game, (2) student on a **tight** budget

The national election was held amid **tight** security.

seal

v. to close or fasten an envelope, etc. securely; (noun) a large marine mammal that chiefly lives in cold regions and comes on shore to breed

synonym : enclose, shut, close

(1) **seal** a hole, (2) a fur **seal**

He **sealed** the letter with hot wax.

enclose

v. to surround, as with a fence, wall, or barrier; to put within boundaries; to include

synonym : surround, encase, contain

(1) **enclose** a check with a letter, (2) **enclose** area

The walls were **enclosed** to create a private outdoor space.

sealed

adj. closed or secured with

synonym : closed, impenetrable

(1) **sealed** orders, (2) **sealed** jar

We packed and shipped the product in **sealed** containers.

chamber

n. a large room used for a formal, public, or particular purpose; one of the parts of a parliament

synonym : association, cabin, legislature

(1) a gas **chamber**, (2) the lower **chamber**

The surgeon made an incision in the **chambers** of the patient's heart.

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.

device

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

synonym: gadget, instrument, tool

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

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

motor

n. a device that converts electricity, fuel, etc. into movement and makes a machine, vehicle, etc. work

synonym: actuator, engine, machine

(1) a **motor** mechanic, (2) DC **motor** control

Energy-efficient **motors** are needed to maximize the cruising distance of electric vehicles.

fixture

n. an object firmly installed in place, especially in a household, such as a bath or a toilet

synonym: fitting, appliance, equipment

(1) a light **fixture**, (2) a **fixture** in the life

He has become a **fixture** of that restaurant.

compact

adj. closely and firmly united or packed together, using very little space; smaller than is usual

synonym: packed, tight, consolidated

(1) a **compact** camera, (2) extremely **compact** device

Two countries acted together as if by **compact**.

restricted

adj. limited in extent, number, scope, or action, especially by official rules, laws, etc.

synonym: limited, determinate, fixed

(1) **restricted** area, (2) lactose **restricted** diet

The country has designated our products as **restricted** import goods.

movement

n. a group of people working together to achieve a shared goal, especially a political, social, or artistic one; the process of moving or being moved, physically or figuratively

synonym: motion, progression, action

(1) a circular **movement**, (2) **movement** of troops

The **movement** of the dancers on stage was graceful and elegant.

caregiving

n. the act of providing care and support for someone who is ill, disabled, or elderly

synonym: nurturing, caring, assisting

(1) **caregiving** process, (2) **caregiving** responsibilities

She devoted her life to **caregiving**, looking after her aging parents.

shift

n. a slight transition in position, direction, or trend

synonym: transition, change, modification

(1) Doppler **shift**, (2) major paradigm **shift**

Could you help me **shift** some furniture?

invasive

adj. spreading very quickly, and often aggressively, and difficult to stop

synonym: aggressive, rampant, spreading

(1) **invasive** breast cancer, (2) **invasive** species

The **invasive** disease can spread quickly and potentially cause a global pandemic.

mask

v. to conceal something; (noun) a covering that you wear over your face to hide it

synonym: disguise, camouflage, conceal

(1) **mask** body odor, (2) an oxygen **mask**

The politician tried to **mask** the corruption.

severe

adj. extremely serious or bad in feeling, manner, or strict and harsh; extremely strong or vigorous

synonym : harsh, relentless, powerful

(1) **severe** heat, (2) a **severe** case of pneumonia

The senator received **severe** criticism from his opponent.

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.

valve

n. a device for controlling the flow of a fluid or gas through a pipe or duct by means of a movable part that opens, closes, or restricts the opening

synonym : tap, spigot, faucet

(1) electromagnetic **valve**, (2) **valve** control

The **valve** on the pipeline was leaking, so maintenance had to shut it off to make repairs.

branch

n. a division of a tree or woody shrub that grows out from the trunk or a main stem; a division of some larger or more complex organization

synonym : limb, twig, bough

(1) **branch** office, (2) a **branch** pipe

The **branch** of the tree had fallen and blocked the road.

circuit

n. (in electrical engineering) an electrical device that provides a path for electrical current to flow; a journey or route around a particular place or area

synonym : route, course, rotation

(1) **circuit** breaker, (2) federal **circuit** courts

An intelligent battery has a voltage monitoring **circuit**.

inhale

v. to breathe in air or a different substance, such as smoke

synonym : breathe in, take in, draw in

(1) **inhale** the smoke, (2) **inhale** the aroma

He **inhaled** deeply, trying to calm down.

embedded

adj. fixed firmly into the surface of something

synonym : ingrained, implanted, inserted

(1) **embedded** systems, (2) LED- **embedded** glass

The **embedded** chip in my credit card allows me to make contactless payments.

monitor

v. to observe, check, and track the progress or quality of something over a period of time

synonym : proctor, check, observe

(1) **monitor** an exam, (2) **monitor** the data carefully

They used a special receiver to **monitor** police radio channels.

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.

airflow

n. the flow of air, especially around a moving object such as an aircraft or vehicle

synonym : current, breeze, breath

(1) **airflow** duct, (2) high-speed **airflow**

They thoroughly tested the **airflow** around their latest formula car.

resort

n. a place where many people go for rest, sport, or another stated purpose; (verb) to turn to or take a course of action, especially an extreme or undesirable one, to resolve a difficult circumstance

synonym : vacation spot, hotel, (verb) address

(1) **resort** to desperate measures, (2) a last **resort**

If both countries **resort** to nuclear deterrence, the consequence could be mutual destruction.

enduring

adj. lasting over a long period of time; able to withstand wear, decay, or damage; continuing or persistent

synonym : lasting, persistent, enduring

(1) **enduring** pain, (2) **enduring** legacy

The **enduring** love between the couple was evident in their 50th wedding anniversary celebration.

influx

n. the arrival or entry of a large number of people, objects, or ideas into a place or system

synonym : inflow, arrival, impression

(1) **influx** of capital, (2) **influx** of tourists

The **influx** of immigrants into urban areas can create significant social, economic, and political challenges for local communities.

sedate

adj. calm, tranquil, and composed, often as a result of being under the influence of a sedative or tranquilizer; unhurried, deliberate, and without excessive movement or activity

synonym : calm, composed, tranquil

(1) **sedate** atmosphere, (2) **sedate** patient

The **sedate** environment of the library was perfect for studying.

damage

v. to harm or cause injury to something or someone, often resulting in decreased value or functionality; to impair or negatively affect something, such as a reputation or relationship; (noun) harm or injury that is caused to a person, thing, or entity

synonym : harm, impair, injure

(1) **damage** a relationship, (2) **damage** assessment

During the surgery, the doctor had to be extremely cautious not to **damage** a blood vessel.

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.

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.

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.

essential

adj. indispensable; fundamental

synonym : critical, crucial, basic

(1) **essential** amino acid, (2) **essential** commodities of life

Trial and error is an **essential** part of education.

bulky

adj. taking up much space or being difficult to move because of its size or weight; large and unwieldy

synonym : large, cumbersome, unwieldy

(1) **bulky** material, (2) **bulky** packaging

The **bulky** furniture made it difficult to move around the small room.

extensive

adj. covering a large area; having a wide range

synonym : ample, comprehensive, vast

(1) **extensive** experience, (2) have **extensive** vocabulary

The incident attracted **extensive** media coverage throughout the world.

- norm** *n.* something that is regarded as usual, typical, or standard
synonym: criterion, mean, standard
(1) **norm** of action, (2) cultural **norm**
The systems we have developed has accepted as industry **norms**.
- 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**.
- cache** *n.* a collection of items hidden away or stored for future use; (computer science) memory that is set aside as buffer storage that is frequently updated
synonym: hoard, stash, stockpile
(1) **cache** memory, (2) hidden **cache**
I found a **cache** of old letters in the attic.
- stretch** *v.* to make or be capable of making anything longer or broader without hurting or breaking
synonym: lengthen, prolong, extend
(1) **stretch** along the coast, (2) **stretch** a story
Some herds have been observed to **stretch** hundreds of kilometers.
- urgently** *adv.* in a way that requires immediate action or attention, especially before anything else, because of being very important
synonym: promptly, immediately, swiftly
(1) tackle the problem **urgently**, (2) **urgently** required
I need to send this email **urgently**.
- lifesaving** *n.* the act or process of rescuing someone else's life, especially from drowning
(1) **lifesaving** efforts, (2) **lifesaving** device
The patient needs a **lifesaving** transplant operation.

Session 2: Spelling

1. ve_____te air
v. to supply fresh air to a room, building, etc.; to remove stale air from it
2. ex___e a big sigh
v. to breathe out air or vapor from the lungs or mouth; to release or emit something slowly or gently
3. in_____e a tire
v. to fill something with air or gas so that it becomes bigger and rounder
4. app_____te the value
v. to value and acknowledge the worth of someone or something; to be grateful for something or someone
5. pathogenic ba_____ia
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
6. en_____ng legacy
adj. lasting over a long period of time; able to withstand wear, decay, or damage; continuing or persistent
7. co_____ct law
n. a legally binding agreement between two or more parties, setting out their rights and obligations to each other, typically in writing and enforceable by law
8. immune fu_____on
n. the purpose or use of an object, system, or process; a particular activity or operation that is designed to serve a specific purpose; a mathematical concept that describes a relationship between two sets of values, called the input and output sets; (verb) to operate or work in a specific way, or to perform a particular task or purpose

ANSWERS: 1. ventilate, 2. exhale, 3. inflate, 4. appreciate, 5. bacteria, 6. enduring, 7. contract, 8. function

9. by___s circuit *n.* an alternative road, channel, pipe, or connection that allows flow while the main one is closed or obstructed; (verb) to go past or round
10. tr_____a blockage *n.* the tube-like structure in the body through which air moves from the larynx (= a part of the human respiratory system located in the neck region) to the bronchi (= part of the respiratory system and are responsible for conducting air into the lungs), also known as the windpipe
11. em_____ed systems *adj.* fixed firmly into the surface of something
12. su_____te fire *v.* to die or cause someone to die from lack of air or inability to breathe; to be overwhelmed or constricted by a feeling or situation, such as anxiety or oppression
13. di_____e cloud *adj.* spread out widely; not concentrated in one place
14. app_____te time *adj.* nearly accurate or correct, but not completely so
15. electromagnetic va___e *n.* a device for controlling the flow of a fluid or gas through a pipe or duct by means of a movable part that opens, closes, or restricts the opening
16. bacterial pn_____ia *n.* an infection or inflammation of the lungs, typically caused by bacteria, viruses, or other microorganisms

ANSWERS: 9. bypass, 10. trachea, 11. embedded, 12. suffocate, 13. diffuse, 14. approximate, 15. valve, 16. pneumonia

17. flu pa____ic *n.* an outbreak of a disease that affects many people over a very wide area
18. as___a symptoms *n.* a chronic respiratory disease characterized by wheezing, coughing, and difficulty breathing
19. a br___h pipe *n.* a division of a tree or woody shrub that grows out from the trunk or a main stem; a division of some larger or more complex organization
20. global pa____ic *n.* an outbreak of a disease that affects many people over a very wide area
21. electronic de___e *n.* a piece of equipment, tool, or technology that serves a particular purpose or function, often mechanical or electronic
22. 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
23. in_____e expense reports *v.* to fill something with air or gas so that it becomes bigger and rounder
24. 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

ANSWERS: 17. pandemic, 18. asthma, 19. branch, 20. pandemic, 21. device, 22. coronavirus, 23. inflate, 24. process

25. tracking de___e *n.* a piece of equipment, tool, or technology that serves a particular purpose or function, often mechanical or electronic
26. re___r an assessment *v.* to bring someone or something into a particular state; to provide something such as service, help, etc.
27. have a ne____ve effect *adj.* having the quality of something bad or harmful; expressing refusal
28. ob____ct an airway *v.* to block or interfere with the passage, movement, or action of something or someone
29. 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.
30. 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
31. reduce inf____ion and pain *n.* a physical condition in which a part of the body becomes red, painful, hot, and often swollen, especially as a reaction to infection or injury
32. tr____r a biochemical response *v.* to make something happen suddenly; to cause something such as a device, machine, etc. to function
33. federal ci____t courts *n.* (in electrical engineering) an electrical device that provides a path for electrical current to flow; a journey or route around a particular place or area

ANSWERS: 25. device, 26. render, 27. negative, 28. obstruct, 29. adjust, 30. immune, 31. inflammation, 32. trigger, 33. circuit

34. in_____ed prices *adj.* swollen or blown up, especially with air or gas; excessively or unreasonably high
35. tooth ca____y *n.* an empty space or hollowness within a solid object, especially within the body, such as a tooth or bone; a hole or depression in a surface or the ground
36. dis_____te video content *v.* to give something to a large number of individuals, or to spread or furnish something
37. standard pr_____re *n.* a way of doing something, especially the official or well-known way
38. a capillary t__e *n.* a cylindrical container of metal, plastic, glass, etc., usually sealed and used as a means of preserving food or chemicals; a hollow cylindrical shape
39. harmless ba_____ia *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
40. di_____gm activity *n.* a large, dome-shaped muscle located at the bottom of the chest cavity, essential for breathing and separating the chest and abdomen; a shallow, dome-shaped device with a flexible rim that is inserted into the vagina to cover the cervix and prevent sperm from reaching the uterus, serving as a method of birth control

ANSWERS: 34. inflated, 35. cavity, 36. distribute, 37. procedure, 38. tube, 39. bacteria, 40. diaphragm

41. a mo__r mechanic *n.* a device that converts electricity, fuel, etc. into movement and makes a machine, vehicle, etc. work
42. da___e assessment *v.* to harm or cause injury to something or someone, often resulting in decreased value or functionality; to impair or negatively affect something, such as a reputation or relationship; (noun) harm or injury that is caused to a person, thing, or entity
43. p__p blood throughout the body *v.* to cause water, air, gas, etc. to move from one place to another by using mechanical equipment; to get or supply something such as money, information, etc. in significant quantities
44. in_____pt a call *v.* to say or do something that causes someone to stop in their speech or action
45. em_____cy action *n.* a sudden unforeseen crisis usually involving danger that requires immediate action
46. br___h office *n.* a division of a tree or woody shrub that grows out from the trunk or a main stem; a division of some larger or more complex organization
47. ai___y beacon *n.* the air passage from the nose and throat to the lungs; a designated route followed by airplanes flying from one airport to another
48. ex_____e sports *adj.* very great in amount or degree

ANSWERS: 41. motor, 42. damage, 43. pump, 44. interrupt, 45. emergency, 46. branch, 47. airway, 48. extreme

49. re___t to desperate measures *n.* a place where many people go for rest, sport, or another stated purpose; (verb) to turn to or take a course of action, especially an extreme or undesirable one, to resolve a difficult circumstance
50. re__x at home *v.* to become or cause someone to become less active or tense and calmer
51. cir_____nce of injury *n.* the specific conditions or events that surround a particular situation or occurrence
52. silver ox__e *n.* a chemical compound that contains at least one oxygen atom and one other element
53. abdominal s_c *n.* a bag or pouch, typically made of fabric or leather, used to hold something valuable or important; a structure resembling a bag in an animal or plant
54. a stone wall su_____nds the palace *v.* to be all around something or somebody
55. high-speed ai_____w *n.* the flow of air, especially around a moving object such as an aircraft or vehicle
56. ex___e cigarette smoke *v.* to breathe out air or vapor from the lungs or mouth; to release or emit something slowly or gently
57. inf_____ion of the lungs *n.* a physical condition in which a part of the body becomes red, painful, hot, and often swollen, especially as a reaction to infection or injury

ANSWERS: 49. resort, 50. relax, 51. circumstance, 52. oxide, 53. sac, 54. surround, 55. airflow, 56. exhale, 57. inflammation

58. va__e control *n.* a device for controlling the flow of a fluid or gas through a pipe or duct by means of a movable part that opens, closes, or restricts the opening
59. co_____ct blood vessels *v.* to make something narrow or tight, often restricting movement or flow; to become narrow or tighter
60. treat the in_____on with antibiotics *n.* a condition in which pathogenic microorganisms or viruses have entered the body
61. en_____e area *v.* to surround, as with a fence, wall, or barrier; to put within boundaries; to include
62. in___x of tourists *n.* the arrival or entry of a large number of people, objects, or ideas into a place or system
63. in___x of capital *n.* the arrival or entry of a large number of people, objects, or ideas into a place or system
64. dis_____te wealth evenly *v.* to give something to a large number of individuals, or to spread or furnish something
65. abruptly in_____pt *v.* to say or do something that causes someone to stop in their speech or action
66. se___d orders *adj.* closed or secured with
67. re__x a series of muscles *v.* to become or cause someone to become less active or tense and calmer
68. the m__h of a basket *n.* a material made of a network of wire, plastic, or thread

ANSWERS: 58. valve, 59. constrict, 60. infection, 61. enclose, 62. influx, 63. influx, 64. distribute, 65. interrupt, 66. sealed, 67. relax, 68. mesh

69. not no_____ly drink much *adv.* usually; under normal conditions
70. a fur s__l *v.* to close or fasten an envelope, etc. securely; (noun) a large marine mammal that chiefly lives in cold regions and comes on shore to breed
71. mo_____r the data carefully *v.* to observe, check, and track the progress or quality of something over a period of time
72. la_____y accepted *adv.* virtually entirely; to a large degree
73. viral pn_____ia *n.* an infection or inflammation of the lungs, typically caused by bacteria, viruses, or other microorganisms
74. a mec_____al style of writing *adj.* operated by a machine, relating to or concerned with machinery or tools
75. ex___d a lineup *v.* to increase or to make something greater in size, number, or importance
76. res_____ry failure *adj.* relating to the organs and processes involved in breathing, such as the lungs and the act of inhaling and exhaling air
77. st_____h along the coast *v.* to make or be capable of making anything longer or broader without hurting or breaking
78. hyper-ven_____on syndrome *n.* the provision of fresh air, especially to a room or building
79. detect a vi__l code *adj.* relating to or caused by a virus
80. en_____e a check with a letter *v.* to surround, as with a fence, wall, or barrier; to put within boundaries; to include

ANSWERS: 69. normally, 70. seal, 71. monitor, 72. largely, 73. pneumonia, 74. mechanical, 75. expand, 76. respiratory, 77. stretch, 78. ventilation, 79. viral, 80. enclose

81. aut_____lly adjusted *adv.* without needing a direct human control
82. fu_____on properly *n.* the purpose or use of an object, system, or process; a particular activity or operation that is designed to serve a specific purpose; a mathematical concept that describes a relationship between two sets of values, called the input and output sets; (verb) to operate or work in a specific way, or to perform a particular task or purpose
83. 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
84. ac_____m the winner *n.* praise or admiration that is expressed publicly; (verb) to praise or admire someone or something publicly
85. st_____h a story *v.* to make or be capable of making anything longer or broader without hurting or breaking
86. ca_____n emission *n.* a chemical element that can be found in pure form as diamond or graphite, and it is also an essential part of coal and oil and is found in all plants and animals
87. ap__a treatment *n.* a temporary cessation of breathing, especially during sleep; a medical condition characterized by the repeated occurrence of such interruptions
88. do l__g transplantation *n.* either of the two organs in the chest that people and some animals use for breathing

ANSWERS: 81. automatically, 82. function, 83. immune, 84. acclaim, 85. stretch, 86. carbon, 87. apnea, 88. lung

89. decision-making pr_____s *n.* a series of actions or operations performed to achieve a particular outcome or goal; a systematic procedure or approach used to accomplish a specific task or objective; a method of treating milk to make it suitable for consumption or use in other dairy products
90. a fi_____e in the life *n.* an object firmly installed in place, especially in a household, such as a bath or a toilet
91. as____a attack *n.* a chronic respiratory disease characterized by wheezing, coughing, and difficulty breathing
92. in_____e skin *v.* to cause very strong feelings such as anger or excitement in a person or a group of people
93. pre-mo____n agricultural society *adj.* of or belonging to the present time or recent times
94. the te_____ue applied to construction *n.* a particular way or art of doing something that needs skill
95. pa_____t in the hospital *n.* a person who is receiving medical treatment, care, or attention from a healthcare professional, such as a doctor, nurse, or therapist; a personal quality or characteristic
96. lif_____ng efforts *n.* the act or process of rescuing someone else's life, especially from drowning
97. treated with royal ac_____m *n.* praise or admiration that is expressed publicly; (verb) to praise or admire someone or something publicly

ANSWERS: 89. process, 90. fixture, 91. asthma, 92. inflame, 93. modern, 94. technique, 95. patient, 96. lifesaving, 97. acclaim

98. ai___y blockage *n.* the air passage from the nose and throat to the lungs; a designated route followed by airplanes flying from one airport to another
99. s___l a hole *v.* to close or fasten an envelope, etc. securely; (noun) a large marine mammal that chiefly lives in cold regions and comes on shore to breed
100. 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
101. the advice of the ph____an *n.* a medical doctor who practices medicine
102. undergo a surgical pr____re *n.* a way of doing something, especially the official or well-known way
103. ab___b energy *v.* to take in a fluid or other substance gradually
104. se___e patient *adj.* calm, tranquil, and composed, often as a result of being under the influence of a sedative or tranquilizer; unhurried, deliberate, and without excessive movement or activity
105. a bacterial in____on *n.* a condition in which pathogenic microorganisms or viruses have entered the body
106. ur____ly required *adv.* in a way that requires immediate action or attention, especially before anything else, because of being very important

ANSWERS: 98. airway, 99. seal, 100. develop, 101. physician, 102. procedure, 103. absorb, 104. sedate, 105. infection, 106. urgently

107. consult with a ph_____an	<i>n.</i> a medical doctor who practices medicine
108. re_____ze achievement	<i>v.</i> to acknowledge or realize something or someone; to identify, remember, or become aware of something that was previously known or encountered
109. in_____ve species	<i>adj.</i> spreading very quickly, and often aggressively, and difficult to stop
110. student on a ti__t budget	<i>adj.</i> fixed, fastened, or kept together firmly or closely
111. a glass t__e	<i>n.</i> a cylindrical container of metal, plastic, glass, etc., usually sealed and used as a means of preserving food or chemicals; a hollow cylindrical shape
112. plenty of fl__ds	<i>n.</i> a substance that can flow and is not solid
113. res_____ed area	<i>adj.</i> limited in extent, number, scope, or action, especially by official rules, laws, etc.
114. cir_____nce of birth	<i>n.</i> the specific conditions or events that surround a particular situation or occurrence
115. ac_____e success	<i>v.</i> to successfully complete a task or goal, often through hard work, perseverance, and dedication; to attain or accomplish something that one has set out to do
116. m__k body odor	<i>v.</i> to conceal something; (noun) a covering that you wear over your face to hide it
117. ba_____n ride	<i>n.</i> a small bag made of thin rubber or other light material that can be inflated with air or gas, used as a toy or as a decoration; (verb) to become inflated

ANSWERS: 107. physician, 108. recognize, 109. invasive, 110. tight, 111. tube, 112. fluid, 113. restricted, 114. circumstance, 115. achieve, 116. mask, 117. balloon

118. linear app_____te equation *adj.* nearly accurate or correct, but not completely so
119. ca_____ry action *n.* a tube of small internal diameter; any of the minute tubes that carry blood
120. an in_____ed balloon *adj.* swollen or blown up, especially with air or gas; excessively or unreasonably high
121. ac_____e milestones *v.* to successfully complete a task or goal, often through hard work, perseverance, and dedication; to attain or accomplish something that one has set out to do
122. extremely co_____t device *adj.* closely and firmly united or packed together, using very little space; smaller than is usual
123. es_____al commodities of life *adj.* indispensable; fundamental
124. gastric by____s operation *n.* an alternative road, channel, pipe, or connection that allows flow while the main one is closed or obstructed; (verb) to go past or round
125. ab____b a shock *v.* to take in a fluid or other substance gradually
126. a circular mo_____nt *n.* a group of people working together to achieve a shared goal, especially a political, social, or artistic one; the process of moving or being moved, physically or figuratively
127. a ne_____ve number *adj.* having the quality of something bad or harmful; expressing refusal
128. a gas ch_____r *n.* a large room used for a formal, public, or particular purpose; one of the parts of a parliament

ANSWERS: 118. approximate, 119. capillary, 120. inflated, 121. achieve, 122. compact, 123. essential, 124. bypass, 125. absorb, 126. movement, 127. negative, 128. chamber

129. combined ox__e *n.* a chemical compound that contains at least one oxygen atom and one other element
130. lif_____ng device *n.* the act or process of rescuing someone else's life, especially from drowning
131. al_____us function *n.* (in the plural, "alveoli") a small, hollow cavity, pit, or socket; the small sacs in the lungs, where gas exchange with the blood occurs
132. employment co_____ct *n.* a legally binding agreement between two or more parties, setting out their rights and obligations to each other, typically in writing and enforceable by law
133. da___e a relationship *v.* to harm or cause injury to something or someone, often resulting in decreased value or functionality; to impair or negatively affect something, such as a reputation or relationship; (noun) harm or injury that is caused to a person, thing, or entity
134. complete no_____ly *adv.* usually; under normal conditions
135. ca__e memory *n.* a collection of items hidden away or stored for future use; (computer science) memory that is set aside as buffer storage that is frequently updated
136. co_____ct freedom *v.* to make something narrow or tight, often restricting movement or flow; to become narrow or tighter

ANSWERS: 129. oxide, 130. lifesaving, 131. alveolus, 132. contract, 133. damage, 134. normally, 135. cache, 136. constrict

137. ci____t breaker *n.* (in electrical engineering) an electrical device that provides a path for electrical current to flow; a journey or route around a particular place or area
138. d_m-building program *n.* a wall constructed over a river to block the flow of water, mainly used to generate energy
139. a light fi____e *n.* an object firmly installed in place, especially in a household, such as a bath or a toilet
140. DC mo__r control *n.* a device that converts electricity, fuel, etc. into movement and makes a machine, vehicle, etc. work
141. in____t a graphic *v.* to put something inside something else
142. mo____nt of troops *n.* a group of people working together to achieve a shared goal, especially a political, social, or artistic one; the process of moving or being moved, physically or figuratively
143. 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.
144. a last re____t *n.* a place where many people go for rest, sport, or another stated purpose; (verb) to turn to or take a course of action, especially an extreme or undesirable one, to resolve a difficult circumstance
145. in____e his passion *v.* to cause very strong feelings such as anger or excitement in a person or a group of people

ANSWERS: 137. circuit, 138. dam, 139. fixture, 140. motor, 141. insert, 142. movement, 143. adjust, 144. resort, 145. inflame

146. s_c contents *n.* a bag or pouch, typically made of fabric or leather, used to hold something valuable or important; a structure resembling a bag in an animal or plant
147. hidden ca__e *n.* a collection of items hidden away or stored for future use; (computer science) memory that is set aside as buffer storage that is frequently updated
148. pa_____t with weight loss *n.* a person who is receiving medical treatment, care, or attention from a healthcare professional, such as a doctor, nurse, or therapist; a personal quality or characteristic
149. di_____e bleeding *adj.* spread out widely; not concentrated in one place
150. the hydrogen binds the ox___n *n.* the chemical element with the symbol O that is present in air and water and is necessary for people, animals, and plants to live
151. traditional me_____al *adj.* of or relating to the treatment or cure of disease
152. su_____nd a town *v.* to be all around something or somebody
153. tooth al_____us *n.* (in the plural, "alveoli") a small, hollow cavity, pit, or socket; the small sacs in the lungs, where gas exchange with the blood occurs
154. in___e his privacy *v.* to enter aggressively into another's territory by military force for conquest and occupation

ANSWERS: 146. sac, 147. cache, 148. patient, 149. diffuse, 150. oxygen, 151. medicinal, 152. surround, 153. alveolus, 154. invade

155. se___e atmosphere *adj.* calm, tranquil, and composed, often as a result of being under the influence of a sedative or tranquilizer; unhurried, deliberate, and without excessive movement or activity
156. major paradigm sh__t *n.* a slight transition in position, direction, or trend
157. ob_____ct a bill *v.* to block or interfere with the passage, movement, or action of something or someone
158. ex_____e weather events *adj.* very great in amount or degree
159. tackle the problem ur_____ly *adv.* in a way that requires immediate action or attention, especially before anything else, because of being very important
160. a te_____ue in martial arts *n.* a particular way or art of doing something that needs skill
161. an oxygen m__k *v.* to conceal something; (noun) a covering that you wear over your face to hide it
162. in___e the aroma *v.* to breathe in air or a different substance, such as smoke
163. lactose res_____ed diet *adj.* limited in extent, number, scope, or action, especially by official rules, laws, etc.
164. mo_____r an exam *v.* to observe, check, and track the progress or quality of something over a period of time
165. a se___e case of pneumonia *adj.* extremely serious or bad in feeling, manner, or strict and harsh; extremely strong or vigorous

ANSWERS: 155. sedate, 156. shift, 157. obstruct, 158. extreme, 159. urgently, 160. technique, 161. mask, 162. inhale, 163. restricted, 164. monitor, 165. severe

166. su_____te to death
v. to die or cause someone to die from lack of air or inability to breathe; to be overwhelmed or constricted by a feeling or situation, such as anxiety or oppression
167. ve_____te my opinion
v. to supply fresh air to a room, building, etc.; to remove stale air from it
168. in_____ve breast cancer
adj. spreading very quickly, and often aggressively, and difficult to stop
169. app_____te her feedback
v. to value and acknowledge the worth of someone or something; to be grateful for something or someone
170. the pa_____en in the air
n. a bacterium, virus, or other microorganism that causes disease
171. la_____y mitigate the issue
adv. virtually entirely; to a large degree
172. fl__d assets
n. a substance that can flow and is not solid
173. in___e the smoke
v. to breathe in air or a different substance, such as smoke
174. epileptic ap__a
n. a temporary cessation of breathing, especially during sleep; a medical condition characterized by the repeated occurrence of such interruptions
175. n__m of action
n. something that is regarded as usual, typical, or standard
176. ai_____w duct
n. the flow of air, especially around a moving object such as an aircraft or vehicle

ANSWERS: 166. suffocate, 167. ventilate, 168. invasive, 169. appreciate, 170. pathogen, 171. largely, 172. fluid, 173. inhale, 174. apnea, 175. norm, 176. airflow

177. en____ng pain *adj.* lasting over a long period of time; able to withstand wear, decay, or damage; continuing or persistent
178. a ti__t game *adj.* fixed, fastened, or kept together firmly or closely
179. have ex_____ve vocabulary *adj.* covering a large area; having a wide range
180. re____r the contract void *v.* to bring someone or something into a particular state; to provide something such as service, help, etc.
181. bu__y material *adj.* taking up much space or being difficult to move because of its size or weight; large and unwieldy
182. ex____d agricultural output *v.* to increase or to make something greater in size, number, or importance
183. a co_____t camera *adj.* closely and firmly united or packed together, using very little space; smaller than is usual
184. tr_____r inflation *v.* to make something happen suddenly; to cause something such as a device, machine, etc. to function
185. bu__y packaging *adj.* taking up much space or being difficult to move because of its size or weight; large and unwieldy
186. plant pa_____en *n.* a bacterium, virus, or other microorganism that causes disease
187. in____t coin *v.* to put something inside something else
188. d_m collapsing *n.* a wall constructed over a river to block the flow of water, mainly used to generate energy

ANSWERS: 177. enduring, 178. tight, 179. extensive, 180. render, 181. bulky, 182. expand, 183. compact, 184. trigger, 185. bulky, 186. pathogen, 187. insert, 188. dam

189. ca___y filling *n.* an empty space or hollowness within a solid object, especially within the body, such as a tooth or bone; a hole or depression in a surface or the ground
190. acute em_____cy *n.* a sudden unforeseen crisis usually involving danger that requires immediate action
191. tr_____a infection *n.* the tube-like structure in the body through which air moves from the larynx (= a part of the human respiratory system located in the neck region) to the bronchi (= part of the respiratory system and are responsible for conducting air into the lungs), also known as the windpipe
192. me_____al chemistry *adj.* of or relating to the treatment or cure of disease
193. p__p a secret out of success *v.* to cause water, air, gas, etc. to move from one place to another by using mechanical equipment; to get or supply something such as money, information, etc. in significant quantities
194. le___l weapon *adj.* causing or capable of causing death; extremely dangerous
195. a cr_____l issue for women *adj.* extremely vital or necessary
196. mo___n poetry *adj.* of or belonging to the present time or recent times
197. car_____ng responsibilities *n.* the act of providing care and support for someone who is ill, disabled, or elderly

ANSWERS: 189. cavity, 190. emergency, 191. trachea, 192. medicinal, 193. pump, 194. lethal, 195. crucial, 196. modern, 197. caregiving

198. car_____ng process *n.* the act of providing care and support for someone who is ill, disabled, or elderly
199. ba_____n into a severe political problem *n.* a small bag made of thin rubber or other light material that can be inflated with air or gas, used as a toy or as a decoration; (verb) to become inflated
200. lack of ox_____n *n.* the chemical element with the symbol O that is present in air and water and is necessary for people, animals, and plants to live
201. es_____al amino acid *adj.* indispensable; fundamental
202. the influence of mec_____al action *adj.* operated by a machine, relating to or concerned with machinery or tools
203. 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
204. record driving aut_____lly *adv.* without needing a direct human control
205. lactic acid bu_____p *n.* the accumulation or increase of something over time
206. ven_____on system *n.* the provision of fresh air, especially to a room or building
207. di_____gm birth control *n.* a large, dome-shaped muscle located at the bottom of the chest cavity, essential for breathing and separating the chest and abdomen; a shallow, dome-shaped device with a flexible rim that is inserted into the vagina to cover the cervix and prevent sperm from reaching the uterus, serving as a method of birth control

ANSWERS: 198. caregiving, 199. balloon, 200. oxygen, 201. essential, 202. mechanical, 203. develop, 204. automatically, 205. buildup, 206. ventilation, 207. diaphragm

208. re_____ze talent *v.* to acknowledge or realize something or someone; to identify, remember, or become aware of something that was previously known or encountered
209. se___d jar *adj.* closed or secured with
210. 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
211. cr_____l information *adj.* extremely vital or necessary
212. huge military bu_____p *n.* the accumulation or increase of something over time
213. le___l injection *adj.* causing or capable of causing death; extremely dangerous
214. l___g capacity *n.* either of the two organs in the chest that people and some animals use for breathing
215. ca___n dioxide *n.* a chemical element that can be found in pure form as diamond or graphite, and it is also an essential part of coal and oil and is found in all plants and animals
216. alleviate res_____ry ailments *adj.* relating to the organs and processes involved in breathing, such as the lungs and the act of inhaling and exhaling air
217. se___e heat *adj.* extremely serious or bad in feeling, manner, or strict and harsh; extremely strong or vigorous

ANSWERS: 208. recognize, 209. sealed, 210. coronavirus, 211. crucial, 212. buildup, 213. lethal, 214. lung, 215. carbon, 216. respiratory, 217. severe

218. LED-em____ed glass *adj.* fixed firmly into the surface of something
219. in___e other tissues *v.* to enter aggressively into another's territory by military force for conquest and occupation
220. cultural n__m *n.* something that is regarded as usual, typical, or standard
221. fight vi__l infections *adj.* relating to or caused by a virus
222. a ca_____ry tube *n.* a tube of small internal diameter; any of the minute tubes that carry blood
223. Doppler sh__t *n.* a slight transition in position, direction, or trend
224. the lower ch_____r *n.* a large room used for a formal, public, or particular purpose; one of the parts of a parliament
225. a m__h fence *n.* a material made of a network of wire, plastic, or thread
226. ex_____ve experience *adj.* covering a large area; having a wide range

ANSWERS: 218. embedded, 219. invade, 220. norm, 221. viral, 222. capillary, 223. shift, 224. chamber, 225. mesh, 226. extensive

Session 3: Fill in the Blanks

1. Some herds have been observed to _____ hundreds of kilometers.
v. to make or be capable of making anything longer or broader without hurting or breaking
2. The _____ cost of the project was estimated to be around \$500,000.
adj. nearly accurate or correct, but not completely so
3. Their headquarters are in a _____ skyscraper.
adj. of or belonging to the present time or recent times
4. Jockey's superior _____ brought him victory.
n. a particular way or art of doing something that needs skill
5. The systems we have developed has accepted as industry _____.
n. something that is regarded as usual, typical, or standard
6. People can _____ from a lack of oxygen in confined spaces.
v. to die or cause someone to die from lack of air or inability to breathe; to be overwhelmed or constricted by a feeling or situation, such as anxiety or oppression
7. mRNA vaccines are approved faster because they do not contain inactivated _____.
n. a bacterium, virus, or other microorganism that causes disease
8. It's important to _____ your strengths and weaknesses.
v. to acknowledge or realize something or someone; to identify, remember, or become aware of something that was previously known or encountered

ANSWERS: 1. stretch, 2. approximate, 3. modern, 4. technique, 5. norms, 6. suffocate, 7. pathogens, 8. recognize

9. The _____ of immigrants into urban areas can create significant social, economic, and political challenges for local communities.
- n.* the arrival or entry of a large number of people, objects, or ideas into a place or system
10. She devoted her life to _____ looking after her aging parents.
- n.* the act of providing care and support for someone who is ill, disabled, or elderly
11. The company signed a _____ with the supplier for the delivery of goods.
- n.* a legally binding agreement between two or more parties, setting out their rights and obligations to each other, typically in writing and enforceable by law
12. The _____ fabric was breathable and comfortable to wear.
- n.* a material made of a network of wire, plastic, or thread
13. The _____ of the dancers on stage was graceful and elegant.
- n.* a group of people working together to achieve a shared goal, especially a political, social, or artistic one; the process of moving or being moved, physically or figuratively
14. An intelligent battery has a voltage monitoring _____.
- n.* (in electrical engineering) an electrical device that provides a path for electrical current to flow; a journey or route around a particular place or area
15. The senator received _____ criticism from his opponent.
- adj.* extremely serious or bad in feeling, manner, or strict and harsh; extremely strong or vigorous
16. The sponge _____ water well.
- v.* to take in a fluid or other substance gradually

ANSWERS: 9. influx, 10. caregiving, 11. contract, 12. mesh, 13. movement, 14. circuit, 15. severe, 16. absorbs

17. Nevada is _____ a desert state.

adv. virtually entirely; to a large degree

18. During the surgery, the doctor had to be extremely cautious not to _____ a blood vessel.

v. to harm or cause injury to something or someone, often resulting in decreased value or functionality; to impair or negatively affect something, such as a reputation or relationship; (noun) harm or injury that is caused to a person, thing, or entity

19. The _____ properties of this herb have been known to help with various ailments.

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

20. Solar gravity creates _____ pressures and temperatures.

adj. very great in amount or degree

21. He took a deep breath and slowly began to _____.

v. to breathe out air or vapor from the lungs or mouth; to release or emit something slowly or gently

22. 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

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

n. a medical doctor who practices medicine

ANSWERS: 17. largely, 18. damage, 19. medicinal, 20. extreme, 21. exhale, 22. coronavirus, 23. physician

24. 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

25. If both countries _____ to nuclear deterrence, the consequence could be mutual destruction.

- n.* a place where many people go for rest, sport, or another stated purpose; (verb) to turn to or take a course of action, especially an extreme or undesirable one, to resolve a difficult circumstance

26. I don't _____ take a vacation in the middle of summer.

- adv.* usually; under normal conditions

27. On three sides, mountains _____ the settlement.

- v.* to be all around something or somebody

28. The athlete's ego became _____ by their success.

- adj.* swollen or blown up, especially with air or gas; excessively or unreasonably high

29. The patient needs a _____ transplant operation.

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

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

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

31. 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.

ANSWERS: 24. develop, 25. resort, 26. normally, 27. surround, 28. inflated, 29. lifesaving, 30. achieve, 31. adjust

32. The politician tried to _____ the corruption.

v. to conceal something; (noun) a covering that you wear over your face to hide it

33. This device can more accurately detect _____ pathogens.

adj. relating to or caused by a virus

34. The satellite _____ slowly ascended into the sky.

n. a small bag made of thin rubber or other light material that can be inflated with air or gas, used as a toy or as a decoration; (verb) to become inflated

35. The pilot and flight attendant ran through the check-out _____.

n. a way of doing something, especially the official or well-known way

36. The doctor carefully examined the _____ medical history.

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

37. The snake's muscles began to _____ around its prey.

v. to make something narrow or tight, often restricting movement or flow; to become narrow or tighter

38. The jury must _____ a decision on this complex case.

v. to bring someone or something into a particular state; to provide something such as service, help, etc.

39. Direct lighting is preferable to _____ lighting when reading.

adj. spread out widely; not concentrated in one place

ANSWERS: 32. mask, 33. viral, 34. balloon, 35. procedure, 36. patient's, 37. constrict, 38. render, 39. diffuse

40. She was diagnosed with a _____ buildup in her lungs.

n. a substance that can flow and is not solid

41. The brain is an incredibly complex organ that controls the body's _____.

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

42. Energy-efficient _____ are needed to maximize the cruising distance of electric vehicles.

n. a device that converts electricity, fuel, etc. into movement and makes a machine, vehicle, etc. work

43. Chronic _____ disorders, such as asthma, can significantly impact a person's quality of life.

adj. relating to the organs and processes involved in breathing, such as the lungs and the act of inhaling and exhaling air

44. 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

45. The country has designated our products as _____ import goods.

adj. limited in extent, number, scope, or action, especially by official rules, laws, etc.

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

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

ANSWERS: 40. fluid, 41. function, 42. motors, 43. respiratory, 44. immune, 45. restricted, 46. pandemic

47. She _____ a new chapter into her manuscript.
v. to put something inside something else
48. They hope to _____ their business worldwide.
v. to increase or to make something greater in size, number, or importance
49. Could you help me _____ some furniture?
n. a slight transition in position, direction, or trend
50. Her sleep was _____ by recurring pain.
v. to say or do something that causes someone to stop in their speech or action
51. It's important to _____ the room to avoid the buildup of harmful gases.
v. to supply fresh air to a room, building, etc.; to remove stale air from it
52. _____ 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
53. The passenger grabbed for the _____ mask.
n. the chemical element with the symbol O that is present in air and water and is necessary for people, animals, and plants to live
54. She was hospitalized with a severe case of _____.
n. an infection or inflammation of the lungs, typically caused by bacteria, viruses, or other microorganisms
55. The revitalization of technology companies is _____ to the country's growth.
adj. extremely vital or necessary

ANSWERS: 47. inserted, 48. expand, 49. shift, 50. interrupted, 51. ventilate, 52. Bacteria, 53. oxygen, 54. pneumonia, 55. crucial

56. We would _____ an early reply.

- v.* to value and acknowledge the worth of someone or something; to be grateful for something or someone

57. The _____ system in the building needed to be replaced.

- n.* the provision of fresh air, especially to a room or building

58. Malignant hypertension is the most _____ form of hypertension.

- adj.* causing or capable of causing death; extremely dangerous

59. The blood's red coloring comes from iron _____.

- n.* a chemical compound that contains at least one oxygen atom and one other element

60. The _____ disease can spread quickly and potentially cause a global pandemic.

- adj.* spreading very quickly, and often aggressively, and difficult to stop

61. The _____ of the tree had fallen and blocked the road.

- n.* a division of a tree or woody shrub that grows out from the trunk or a main stem; a division of some larger or more complex organization

62. The _____ on the pipeline was leaking, so maintenance had to shut it off to make repairs.

- n.* a device for controlling the flow of a fluid or gas through a pipe or duct by means of a movable part that opens, closes, or restricts the opening

63. The president declared a state of _____.

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

ANSWERS: 56. appreciate, 57. ventilation, 58. lethal, 59. oxide, 60. invasive, 61. branch, 62. valve, 63. emergency

64. Trial and error is an _____ part of education.

adj. indispensable; fundamental

65. The incident attracted _____ media coverage throughout the world.

adj. covering a large area; having a wide range

66. We packed and shipped the product in _____ containers.

adj. closed or secured with

67. Sleep _____ is a severe condition that causes a person to stop breathing while asleep.

n. a temporary cessation of breathing, especially during sleep; a medical condition characterized by the repeated occurrence of such interruptions

68. The _____ environment of the library was perfect for studying.

adj. calm, tranquil, and composed, often as a result of being under the influence of a sedative or tranquilizer; unhurried, deliberate, and without excessive movement or activity

69. The rules were _____ after the new executive arrived.

v. to become or cause someone to become less active or tense and calmer

70. She _____ the balloons for the party.

v. to fill something with air or gas so that it becomes bigger and rounder

71. They thoroughly tested the _____ around their latest formula car.

n. the flow of air, especially around a moving object such as an aircraft or vehicle

72. Trees absorb _____ dioxide and give off oxygen.

n. a chemical element that can be found in pure form as diamond or graphite, and it is also an essential part of coal and oil and is found in all plants and animals

ANSWERS: 64. essential, 65. extensive, 66. sealed, 67. apnea, 68. sedate, 69. relaxed, 70. inflated, 71. airflow, 72. carbon

73. He has terminal _____ cancer.

- n.* either of the two organs in the chest that people and some animals use for breathing

74. Our subscription plan is _____ renewed.

- adv.* without needing a direct human control

75. He _____ the letter with hot wax.

- v.* to close or fasten an envelope, etc. securely; (noun) a large marine mammal that chiefly lives in cold regions and comes on shore to breed

76. When performing lifesaving, the first step is to secure the _____.

- n.* the air passage from the nose and throat to the lungs; a designated route followed by airplanes flying from one airport to another

77. A _____ engineer is still in demand in many companies.

- adj.* operated by a machine, relating to or concerned with machinery or tools

78. The _____ train was packed with commuters during rush hour.

- n.* a cylindrical container of metal, plastic, glass, etc., usually sealed and used as a means of preserving food or chemicals; a hollow cylindrical shape

79. I found a _____ of old letters in the attic.

- n.* a collection of items hidden away or stored for future use; (computer science) memory that is set aside as buffer storage that is frequently updated

80. He always had to carry an inhaler due to his severe _____.

- n.* a chronic respiratory disease characterized by wheezing, coughing, and difficulty breathing

ANSWERS: 73. lung, 74. automatically, 75. sealed, 76. airway, 77. mechanical, 78. tube, 79. cache, 80. asthma

81. The movie has received almost universally _____ criticism.

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

82. Individuals with a weak _____ may experience difficulty breathing during physical activity.

n. a large, dome-shaped muscle located at the bottom of the chest cavity, essential for breathing and separating the chest and abdomen; a shallow, dome-shaped device with a flexible rim that is inserted into the vagina to cover the cervix and prevent sperm from reaching the uterus, serving as a method of birth control

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

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

84. Her eyes _____ with crying.

v. to cause very strong feelings such as anger or excitement in a person or a group of people

85. The _____ of stress over time can lead to health problems.

n. the accumulation or increase of something over time

86. There are many _____ vessels in the gills of fish.

n. a tube of small internal diameter; any of the minute tubes that carry blood

87. They used a special receiver to _____ police radio channels.

v. to observe, check, and track the progress or quality of something over a period of time

88. 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: 81. negative, 82. diaphragm, 83. infections, 84. inflamed, 85. buildup, 86.

capillary, 87. monitor, 88. process

89. I placed my valuables in the ____ before heading out on my hike.
- n.* a bag or pouch, typically made of fabric or leather, used to hold something valuable or important; a structure resembling a bag in an animal or plant
90. The _____ love between the couple was evident in their 50th wedding anniversary celebration.
- adj.* lasting over a long period of time; able to withstand wear, decay, or damage; continuing or persistent
91. This patient must undergo _____ surgery.
- n.* an alternative road, channel, pipe, or connection that allows flow while the main one is closed or obstructed; (verb) to go past or round
92. Damage to the walls of an _____ can lead to reduced lung function.
- n.* (in the plural, "alveoli") a small, hollow cavity, pit, or socket; the small sacs in the lungs, where gas exchange with the blood occurs
93. The medicine soothes the pain of chronic _____.
- n.* a physical condition in which a part of the body becomes red, painful, hot, and often swollen, especially as a reaction to infection or injury
94. Inhaling irritants can cause inflammation of the _____ and lead to coughing.
- n.* the tube-like structure in the body through which air moves from the larynx (= a part of the human respiratory system located in the neck region) to the bronchi (= part of the respiratory system and are responsible for conducting air into the lungs), also known as the windpipe
95. The incident _____ a political controversy.
- v.* to make something happen suddenly; to cause something such as a device, machine, etc. to function

ANSWERS: 89. sac, 90. enduring, 91. bypass, 92. alveolus, 93. inflammation, 94. trachea, 95. triggered

96. He _____ deeply, trying to calm down.

v. to breathe in air or a different substance, such as smoke

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

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

98. I have no intention to _____ your privacy.

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

99. The _____ furniture made it difficult to move around the small room.

adj. taking up much space or being difficult to move because of its size or weight; large and unwieldy

100. He was alert and could not _____ any critical information out of him.

v. to cause water, air, gas, etc. to move from one place to another by using mechanical equipment; to get or supply something such as money, information, etc. in significant quantities

101. The actor's performance in the play earned her widespread _____ from the theater community.

n. praise or admiration that is expressed publicly; (verb) to praise or admire someone or something publicly

102. I have a _____ in one of my molars and must schedule a dentist appointment.

n. an empty space or hollowness within a solid object, especially within the body, such as a tooth or bone; a hole or depression in a surface or the ground

103. He has become a _____ of that restaurant.

n. an object firmly installed in place, especially in a household, such as a bath or a toilet

ANSWERS: 96. inhaled, 97. device, 98. invade, 99. bulky, 100. pump, 101. acclaim, 102. cavity, 103. fixture

104. Two countries acted together as if by _____.

adj. closely and firmly united or packed together, using very little space; smaller than is usual

105. The walls were _____ to create a private outdoor space.

v. to surround, as with a fence, wall, or barrier; to put within boundaries; to include

106. She explained the _____ surrounding the accident.

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

107. The break in the ____ threatened the valley.

n. a wall constructed over a river to block the flow of water, mainly used to generate energy

108. I need to send this email _____.

adv. in a way that requires immediate action or attention, especially before anything else, because of being very important

109. The _____ chip in my credit card allows me to make contactless payments.

adj. fixed firmly into the surface of something

110. His estate was _____ to his sons.

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

111. The national election was held amid _____ security.

adj. fixed, fastened, or kept together firmly or closely

ANSWERS: 104. compact, 105. enclosed, 106. circumstances, 107. dam, 108. urgently, 109. embedded, 110. distributed, 111. tight

112. The surgeon made an incision in the _____ of the patient's heart.

- n.* a large room used for a formal, public, or particular purpose; one of the parts of a parliament

113. The road was blocked by a fallen tree, _____ the path for all vehicles.

- v.* to block or interfere with the passage, movement, or action of something or someone

ANSWERS: 112. chambers, 113. obstructing