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## Vocabulary Builder Reference from...

Steven Zheng: How does anesthesia work? | TED Talk

[https://www.ted.com/talks/steven\\_zheng\\_how\\_does\\_anesthesia\\_work](https://www.ted.com/talks/steven_zheng_how_does_anesthesia_work)

### All Words

#### IMPORTANT

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## Session 1: Word List

### surgery

*n.* medical treatment of injuries or diseases involving an incision with instruments and often removing or replacing some parts of the body; the branch of medical science that treats disease or injury by operative procedures

*synonym*: operation, (medical) procedure

(1) cardiac **surgery**, (2) the professor of **surgery**

He had undergone heart **surgery** years before.

### backward

*adv.* at, to, or toward the direction or place that is behind or rear

*synonym*: back, rearward, in reverse

(1) walk **backward**, (2) **backward** angle

She falls over **backward** when she sees her mother-in-law.

### asleep

*adj.* in a state of sleep

*synonym*: sleeping, fallen, at rest

(1) **asleep** at the wheel, (2) dead **asleep**

He lay down and fell **asleep** immediately.

### anesthesia

*n.* a state of controlled, temporary loss of bodily sensation or awareness that is induced for medical purposes

(1) **anesthesia** for surgery, (2) local **anesthesia**

He is in general **anesthesia** under the surgeon.

## complicated

*adj.* involving a lot of different things or parts in a way that is difficult to understand or analyze

*synonym* : complex, convoluted, intricate

(1) a **complicated** process, (2) become increasingly **complicated**

He did **complicated** pen-and-ink drawings in just a few days.

## unconscious

*adj.* in the state of lacking awareness and the capacity for sensory perception, especially as the result of a head injury or illness

*synonym* : comatose, paralyzed, senseless

(1) **unconscious** bias, (2) a person who is **unconscious**

I know his **unconscious** habit that he touches his face when he lies.

## hop

*v.* to jump lightly and quickly on one foot or both feet; to move rapidly from one place to another; to travel using an aircraft, bus, etc.

*synonym* : jump, bounce, skip

(1) **hop** on one foot, (2) **hop** from one place to another

The rabbit **hopped** over the fence.

## 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.

## traumatic

*adj.* relating to or caused by injury, especially emotional injury

*synonym* : distressing

(1) **traumatic** event, (2) **traumatic** brain injury

The experience was so **traumatic** that it left a lasting impact on the survivor's mental health.

## ancient

*adj.* relating to the long ago, particularly the historical period preceding the fall of the Western Roman Empire; very old

*synonym*: archaic, age-old, obsolete

(1) pre-Christian **ancient**, (2) **ancient** stories

They have been living near water since **ancient** times.

## 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.

## anesthetic

*n.* a substance that is administered to a person or an animal to produce a loss of sensation or consciousness so that medical or surgical procedures can be performed without causing pain

*synonym*: sedative, anesthesia, painkiller

(1) **anesthetic** injection, (2) local **anesthetic**

The dentist administered an **anesthetic** to numb the patient's mouth before the procedure.

## opioid

*n.* substances that have an effect similar to opium, such as morphine, used in medicines to treat severe pain, but some people take them illegally for pleasure and become addicted

(1) an **opioid** analgesic, (2) **opioid** receptor

Treatment for **opioid** dependence may be a long-term process.

## poppy

*n.* a plant with large, showy flowers of various colors, including red, pink, yellow, and white, and a capsule containing small seeds, and some species of poppy are

used to produce opium and its derivatives

(1) **poppy** tea, (2) **poppy** seeds

She wore a red **poppy** on her lapel to honor the veterans.

## mandrake

*n.* a plant with a forked root that is said to resemble the human body and that has long been used in traditional medicine and folklore

(1) **mandrake** cultivation, (2) **mandrake** plant

The **mandrake** root has been used in traditional medicine for centuries.

## alcohol

*n.* a clear liquid that can make people drunk and is used in medicines, cleaning products, etc.

*synonym*: booze, liquor, ethanol

(1) stop drinking **alcohol**, (2) diluted **alcohol**

There is a clear association between **alcohol** consumption and cognitive decline.

## anesthesiologist

*n.* a medical doctor who specializes in administering anesthesia to help control pain and monitor the vital signs of patients during procedures and surgeries

*synonym*: anesthetist, pain specialist, sedationist

(1) specialized **anesthesiologist**, (2) clinical **anesthesiologist**

The experienced **anesthesiologist** monitored the patient's vital signs throughout the procedure.

## combine

*v.* to join or merge to form a single thing or group

*synonym*: coalesce, cohere, blend

(1) **combine** chemically with another substance,

(2) **combine** augmented reality

Hydrogen and oxygen **combine** to form water.

## 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.

## venous

*adj.* relating to, situated in, or carrying blood through the veins of the body

*synonym* : vascular

(1) **venous** blood, (2) **venous** thrombosis

The patient was diagnosed with a **venous** clot in his leg, requiring immediate medical attention.

## agent

*n.* a person who represents and negotiates on behalf of someone else, such as a literary agent or talent agent; (of chemistry and medicine) a substance that brings about a chemical or physical effect; (of computer science) a piece of software that performs a task autonomously

*synonym* : representative, delegate, envoy

(1) **agent** system, (2) antidiarrheal **agent**

The FBI **agent** went undercover to infiltrate the criminal organization.

## balance

*n.* a condition in which everything has the same weight or force; something left after other parts have been taken away

*synonym* : equilibrium, counterpoise, remainder

(1) the **balance** of power, (2) asset on the company's **balance** sheet

Try to keep a **balance** between work and off.

## 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.

## brain

*n.* the organ inside the head that is responsible for one's movement, thought, memory, and feeling

*synonym* : intellect, mind, encephalon

(1) basic **brain** function, (2) permanent **brain** damage

X-rays revealed a small tumor in his **brain**.

## **mess**

*n.* a state of confusion, dirtiness, or untidiness; (verb) to fail to do something or to make something dirty or untidy

*synonym* : disarray, confusion, predicament

(1) have a whole **mess**, (2) get into a **mess**

He made a frightful **mess** in his room.

## **nervous**

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

*synonym* : neural, anxious, uneasy

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

He suffers from **nervous** breakdowns.

## **electrical**

*adj.* relating to electricity

(1) an **electrical** storm, (2) degree in **electrical** engineering

Actuators convert **electrical** pulses into motion.

## **impulse**

*n.* a sudden strong and unreflective wish or need to do something; the electrical discharge that travels along a nerve fiber

*synonym* : stimulation, provocation, urge

(1) a combative **impulse**, (2) profound religious **impulses**

Nerve **impulses** cross a synapse through the action of neurotransmitters.

## **barricade**

*n.* a barrier, often improvised or temporary, used to block passage or protect against danger or attack

*synonym* : barrier, obstacle, blockade

(1) **barricade** fencing, (2) police **barricade**

The protestors built a **barricade** to prevent police from entering the area.

## **bind**

*v.* to tie or fasten someone or something tightly with rope, string, etc. so that they cannot move or are held together

strongly

*synonym*: tie, stick to, adhere

(1) **bind** the man's hands, (2) **bind** old letters into a bundle  
The company's rules **bind** the employee's working hours.

## 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.

## neuron

*n.* a cell that is specialized to carry information within the brain and between the brain and other parts of the body

*synonym*: nerve cell

(1) excite the **neurons**, (2) **neuron** cell body

Our body transfers information along each **neuron** using an electrical impulse.

## 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**.

## 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.

## posit

*v.* to suggest or accept something as fact or as a basis for argument or consideration

*synonym*: assert, declare, assume

(1) **posit** the existence of life after death, (2) **posit** the premise

We should **posit** several hypotheses to discuss the matter.

## compound

*n.* an item composed of two or more distinct elements combined; a chemical formed by the combination of two or more elements

*synonym* : combination, mixture, blend

(1) aquatic **compound**, (2) harmful **compound**

Common salt is a sodium and chlorine **compound**.

## cocaine

*n.* a highly addictive stimulant drug that is derived from the leaves of the coca plant, often used recreationally for its euphoric effects but also used in medicine as a local anesthetic and vasoconstrictor

*synonym* : narcotic, coke, snow

(1) powder **cocaine**, (2) **cocaine** overdose

The drug dealer was arrested for possession of **cocaine**.

## painkiller

*n.* medicine used to relieve physical pain

*synonym* : anesthetic, anodyne, analgesic

(1) a strong **painkiller**, (2) take a **painkiller** beforehand

Over-the-counter **painkillers** are less effective for patients who have taken many in the past.

## discovery

*n.* the act or process of finding information, a place, or an object, or learning about something that was previously not known

*synonym* : finding, uncovering, detection

(1) a scientific **discovery**, (2) the great **discovery** of the century

Her research team made an important **discovery**.

## accident

*n.* an unfortunate event, especially one causing damage or injury

*synonym* : calamity, casualty, chance

(1) cause an **accident**, (2) injury in a car **accident**

The **accident** partially destroyed my vehicle.

## ophthalmology

*n.* the branch of medicine that deals with the anatomy, physiology, and diseases of the eye



*synonym* : eye care, optometry, eye medicine

(1) **ophthalmology** practice, (2) **ophthalmology** clinic

My grandfather had a problem with his eyes and went to an **ophthalmology** specialist.

## intern

v. to put someone in prison, especially for political or military reasons; (noun) a student or trainee who works, sometimes for free, to get work experience or to fulfill qualification criteria

*synonym* : apprentice, trainee, student

(1) **intern** civilians, (2) medical **intern**

The navy **interned** ships of defeated nations.

## tongue

n. a moveable mass of muscle tissue covered with mucous membrane that is in the mouth; a language

*synonym* : lingo, language, vocabulary

(1) native **tongue**, (2) **tongue** cancer

The **tongue** is boneless, but it is as strong as bones.

## occasionally

*adv.* now and then; sometimes but not often

*synonym* : periodically, sometimes, from time to time

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

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

## 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.

## structure

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

*synonym* : construction, architecture, establishment

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

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

## 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.

## ethyl

*n.* a chemical compound derived from ethane, used in producing many industrial chemicals and as a solvent, commonly used as a prefix for chemicals containing one or more ethyl groups

(1) **ethyl** group, (2) **ethyl** acetate

The laboratory uses **ethyl** alcohol as a cleaning solvent for equipment.

## ethereal

*adj.* delicate, light, and airy; extremely refined or subtle; heavenly or spiritual

*synonym* : airy, delicate, celestial

(1) **ethereal** beauty, (2) **ethereal** light

The **ethereal** music created a dreamlike atmosphere in the concert hall.

## recreational

*adj.* relating to or for leisure or pleasure; done for enjoyment rather than work or duty

*synonym* : leisure, fun, entertaining

(1) a **recreational** center, (2) **recreational** drugs

I enjoy **recreational** activities such as hiking and swimming.

## injury

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

*synonym* : wound, damage, hurt

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

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

## influence

*n.* the ability to affect someone's or something's character, growth, or behavior, or the effect itself

*synonym* : power, leverage, effect

(1) **influence** a child's future, (2) **influence** the daily life

The former emperor had a particular **influence** even after he abdicated.

## 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.

## 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.

## dental

*adj.* of or relating to teeth

*synonym* : oral, tooth, mouth

(1) **dental** hygiene, (2) **dental** care

I have a **dental** appointment at 2 pm to get my teeth cleaned.

## extract

*n.* a short passage taken from a book, piece of music, etc.; a substance obtained from something through a specific process; (verb) to obtain from something or to remove something by effort or force

*synonym* : excerpt, quote, distillation

(1) a brief **extract** from the book, (2) botanical **extract**

Anesthetize the gum before **extracting** the teeth.

## 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**.

## derivative

*n.* something which is based on another thing or word or idea; a financial instrument whose value is based on another security

*synonym*: by-product, spin-off, offshoot

(1) **derivative** works, (2) **derivative** products

French is a **derivative** of Latin.

## supplement

*n.* something that is added to something else to make it better or complete it

*synonym*: complement, addendum, accessory

(1) wage **supplement**, (2) use of dietary **supplements**

Certain **supplements** may promote tumor growth.

## 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.

## sedative

*n.* a drug or medication that has a calming or sleep-inducing effect on the body and mind; something that soothes or pacifies

*synonym*: calmative, tranquilizer, sleeping pill

(1) **sedative** medication, (2) take a **sedative**

The doctor prescribed a **sedative** to help me sleep.

## induce

*v.* to persuade someone to do something; to cause to act in a specific manner

*synonym*:

cause, encourage, persuade

(1) **induce** a crisis, (2) **induce** him to see a doctor

The lack of sleep **induces** both physical and psychological diseases.

## fentanyl

*n.* a potent synthetic opioid pain medication often used to treat severe or chronic pain, which is highly addictive and can be very dangerous or lethal in high doses

*synonym*: opiate, narcotic, painkiller

(1) **fentanyl** patch, (2) **fentanyl** overdose

The abuse of **fentanyl** has reached epidemic proportions in some parts of the country.

## 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.

## chaotic

*adj.* without any order or organization; extremely disorganized, unpredictable, and confusing

*synonym*: disorderly, cluttered, topsy-turvy

(1) the **chaotic** economic situation, (2) **chaotic** theory

Change is also occurring in Turkey as a result of **chaotic** reform.

## chorus

*n.* a group of singers or speakers who perform together, typically in a musical or dramatic production; the part of a song where a soloist is joined by a group of singers

*synonym*: ensemble, choir, group of singers

(1) a mixed **chorus**, (2) a quintet **chorus**

The **chorus** of the song was catchy and easily memorized.

## communicate

*v.* to share or exchange information with others by speaking, writing, moving your body, or using other signals

*synonym*: convey, share, transmit

(1) **communicate** his anxieties to the psychiatrist,  
(2) **communicate** well with my advisor  
Dolphins use sound to **communicate** with each other.

## connectivity

*n.* the state or quality of being connected or interconnected; the ability of devices, systems, or networks to communicate with and exchange information with each other

*synonym* : linkage, network

(1) digital **connectivity**, (2) global **connectivity**

The hotel offers high-speed internet **connectivity** for all its guests.

## anesthetize

*v.* to administer a drug or other substance that causes a loss of sensation or consciousness, often to perform a medical procedure; to numb or dull a physical or emotional sensation

*synonym* : numb, sedate, drug

(1) **anesthetize** a patient, (2) **anesthetize** a wound

The dentist will **anesthetize** your mouth before removing your wisdom teeth.

## calm

*adj.* not excited, angry, or nervous; free from wind, large waves

*synonym* : quiet, peaceful, tranquility

(1) **calm** sea, (2) **calm** manner

It was the first time in a long time that I felt truly **calm** and at peace.

## organ

*n.* a part of the body of an animal or plant that has a particular purpose and performs a specific job

*synonym* : function, structure

(1) **organ** bleeding, (2) damage to internal **organs**

These infections have the potential to impact practically every **organ** system.

## sever

*v.* to break or separate something by cutting, especially suddenly and forcibly

*synonym*: cut apart, separate, detach

(1) **sever** a rope, (2) **sever** a positive relationship

He **severed** a branch from a tree quickly.

## receptor

*n.* an organ having nerve endings that respond to stimulation such as heat or cold and makes the body react in a particular way

(1) cellular **receptor**, (2) **receptor** for HIV in humans

Hay fever occurs when a substance called histamine binds to **receptors** in the nose and eyes.

## gateway

*n.* an entrance, door, or other openings that lead to a larger space, particularly one that serves as an entry point or access point to a larger area or system; a route, means, or method used to gain access to or acquire something

*synonym*: portal, entrance, access

(1) **gateway** drug, (2) airport **gateway**

The **gateway** to the city was a beautiful archway made of stone.

## 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.

## jam

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

*synonym*: difficulty, mess, preserve

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

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

## transmit

*v.* to send or forward an electronic signal; to pass something from one person or thing to another

*synonym*: convey, share, dispatch

(1) **transmit** the disease, (2) **transmit** information

Parents often **transmit** their characteristics to their children.

## pathway

*n.* a track that constitutes or serves as a path; an approach or a way of doing something

*synonym*: route, footpath, trail

(1) **pathway** to understanding, (2) cellular signaling

### **pathways**

When the first molecule in the **pathway** receives a signal, it activates other molecules.

## 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.

## conscious

*adj.* being aware of and able to respond to what is happening around you

*synonym*: aware, cognizant, deliberate

(1) **conscious** effort, (2) **conscious** of having succeeded

He became **conscious** that he was being followed.

## probable

*adj.* likely to happen or likely to be true

*synonym*: likely, possible, potential

(1) **probable** outcome, (2) **probable** cause of a fire

It seems **probable** that he has forgotten our scheduled meeting.

## 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.

## vital

*adj.* necessary for the success or continued existence of something

*synonym*: critical, crucial, invigorating

(1) play a **vital** role, (2) **vital** for a healthy society  
Perseverance and optimism are **vital** to success.

## poison

*n.* a substance that can cause illness, injury, or death when ingested, inhaled, or absorbed through the skin; something harmful, malicious, or toxic; the act of damaging or ruining a relationship; (verb) to introduce a substance into something or someone harmful and potentially deadly

*synonym*: toxin, venom, pollutant

(1) **poison** ivy, (2) **poison** bilateral relations

The plant's leaves contain a deadly **poison** that can cause hallucinations and seizures.

## hemlock

*n.* a poisonous plant with a characteristic odor, having white or purple flowers and finely divided leaves

*synonym*: conium, devil's porridge

(1) **hemlock** grove, (2) poison **hemlock**

**Hemlock** trees are often used as ornamental plants but can be dangerous if ingested.

## aconite

*n.* a highly toxic plant of the buttercup family, also known as monkshood or wolfsbane, containing alkaloid poisons, historically used as a poison or in traditional medicine for its sedative and analgesic properties

*synonym*: monkshood, wolf's bane

(1) **aconite** extract, (2) **aconite** plant

The detective suspected **aconite** poisoning when the victim showed severe gastrointestinal distress and respiratory failure symptoms.

## 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.

## feat

*n.* a notable or impressive achievement, especially one that requires great skill or bravery

*synonym*: achievement, accomplishment, exploit

(1) intellectual **feat**, (2) **feat** accomplishment

It is an incredible **feat** to climb Mount Everest, the highest mountain in the world.

## 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.

## mixture

*n.* a combination of different elements, substances, or entities, usually in non-uniform proportions, resulting in a homogeneous or heterogeneous blend of physical or chemical properties

*synonym*: blend, amalgam, concoction

(1) **mixture** of emotions, (2) perfect **mixture**

The paint was a **mixture** of different pigments to achieve the desired color.

## 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.

## surgeon

*n.* a doctor who is trained to perform medical operations that involve cutting open a person's body

*synonym* : sawbones, doctor

(1) an excellent brain **surgeon**, (2) army **surgeon**

He is a skilled **surgeon** that has many years of training and experience.

## routinely

*adv.* on a regular or habitual basis; in a manner that is customary or expected

*synonym* : habitually, regularly, customarily

(1) **routinely** check, (2) **routinely** scheduled maintenance

They **routinely** conduct fire drills to ensure everyone in the building knows what to do in an emergency.

## cesarean

*adj.* ( also known as "C-section") relating to the delivery of a baby through a surgical incision made in the mother's abdomen and uterus rather than through vaginal birth

*synonym* : C-section, surgical birth

(1) **cesarean** delivery, (2) emergency **cesarean**

The **cesarean** recovery period can be longer and more challenging than a vaginal birth recovery.

## artery

*n.* one of the thick tubes in humans and most other animals that takes blood away from the heart to one or more parts of the body such as tissues, lungs, brain, etc.

*synonym* : blood vessel, channel, roadway

(1) **artery** blockage, (2) risk of coronary **artery** disease

Continuous consumption of fatty foods leads to the hardening of the **artery**.

## replace

*v.* to take the place of something

*synonym* : substitute, supersede, displace

(1) **replace** one word with another, (2) **replace** a phone  
Eventually, the new design will **replace** all older models.

## 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.

## liver

*n.* a large organ in the body, involved in many metabolic processes, such as detoxification of the organism, and the synthesis of proteins

(1) **liver** disease, (2) fatty **liver**

The patient will undergo **liver** transplant surgery tomorrow.

## kidney

*n.* either of a pair of small organs in the body that filter waste products, especially urea, from the blood and excrete them and water in urine

(1) an artificial **kidney**, (2) chronic **kidney** disease

The surgeon removed the healthy **kidney** from the donor.

## 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.

## operate

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

*synonym*: work, use, employ

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

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

## survive

*v.* to live or exist despite a dangerous event or period

*synonym*: endure, persist, stay

(1) **survive** a blizzard, (2) **survive** a plane crash

These birds can only **survive** in temperate climates.

## trauma

*n.* an emotional wound or shock often has long-lasting effects caused by a highly upsetting or shocking experience

*synonym* : agony, injury, ordeal

(1) psychic **trauma**, (2) **trauma** care

Many civilians have suffered **trauma** as a result of the war.

## Session 2: Spelling

1. asset on the company's ba\_\_\_\_e sheet  
*n.* a condition in which everything has the same weight or force; something left after other parts have been taken away
2. d\_m-building program  
*n.* a wall constructed over a river to block the flow of water, mainly used to generate energy
3. 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
4. occ\_\_\_\_\_lly dine with friends  
*adv.* now and then; sometimes but not often
5. cause an ac\_\_\_\_nt  
*n.* an unfortunate event, especially one causing damage or injury
6. po\_\_y seeds  
*n.* a plant with large, showy flowers of various colors, including red, pink, yellow, and white, and a capsule containing small seeds, and some species of poppy are used to produce opium and its derivatives
7. basic br\_\_n function  
*n.* the organ inside the head that is responsible for one's movement, thought, memory, and feeling
8. po\_\_\_n ivy  
*n.* a substance that can cause illness, injury, or death when ingested, inhaled, or absorbed through the skin; something harmful, malicious, or toxic; the act of damaging or ruining a relationship; (verb) to introduce a substance into something or someone harmful and potentially deadly

ANSWERS: 1. balance, 2. dam, 3. sedate, 4. occasionally, 5. accident, 6. poppy, 7. brain, 8. poison

9. l\_\_g capacity *n.* either of the two organs in the chest that people and some animals use for breathing
10. have a ne\_\_\_\_ve effect *adj.* having the quality of something bad or harmful; expressing refusal
11. a traffic j\_m *n.* a situation in which something becomes stuck because of a dense crowd of people, vehicles, etc.; a preserve of crushed fruit
12. aquatic co\_\_\_\_nd *n.* an item composed of two or more distinct elements combined; a chemical formed by the combination of two or more elements
13. poison he\_\_\_\_k *n.* a poisonous plant with a characteristic odor, having white or purple flowers and finely divided leaves
14. the st\_\_\_\_re of a machine *n.* the way of construction of something and the arrangement of its parts, or a complex thing constructed of many parts
15. tr\_\_\_\_it information *v.* to send or forward an electronic signal; to pass something from one person or thing to another
16. tr\_\_\_\_ic brain injury *adj.* relating to or caused by injury, especially emotional injury
17. an\_\_\_\_t stories *adj.* relating to the long ago, particularly the historical period preceding the fall of the Western Roman Empire; very old
18. clinical ane\_\_\_\_\_ist *n.* a medical doctor who specializes in administering anesthesia to help control pain and monitor the vital signs of patients during procedures and surgeries

ANSWERS: 9. lung, 10. negative, 11. jam, 12. compound, 13. hemlock, 14. structure, 15. transmit, 16. traumatic, 17. ancient, 18. anesthesiologist

19. der\_\_\_\_\_ve products *n.* something which is based on another thing or word or idea; a financial instrument whose value is based on another security
20. pa\_\_\_\_\_le energy *n.* a small piece of something; a word or piece of a term with grammatical function but little or no significance
21. powder co\_\_\_\_\_e *n.* a highly addictive stimulant drug that is derived from the leaves of the coca plant, often used recreationally for its euphoric effects but also used in medicine as a local anesthetic and vasoconstrictor
22. 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
23. have a whole m\_\_s *n.* a state of confusion, dirtiness, or untidiness; (verb) to fail to do something or to make something dirty or untidy
24. c\_\_m manner *adj.* not excited, angry, or nervous; free from wind, large waves
25. re\_\_\_\_\_e a phone *v.* to take the place of something
26. a strong pai\_\_\_\_\_er *n.* medicine used to relieve physical pain
27. the ch\_\_\_\_\_c economic situation *adj.* without any order or organization; extremely disorganized, unpredictable, and confusing
28. mo\_\_\_\_\_r an exam *v.* to observe, check, and track the progress or quality of something over a period of time

ANSWERS: 19. derivative, 20. particle, 21. cocaine, 22. movement, 23. mess, 24. calm, 25. replace, 26. painkiller, 27. chaotic, 28. monitor



29. co\_\_\_\_\_us of having succeeded *adj.* being aware of and able to respond to what is happening around you
30. complete no\_\_\_\_\_ly *adv.* usually; under normal conditions
31. ch\_\_\_\_\_c theory *adj.* without any order or organization; extremely disorganized, unpredictable, and confusing
32. the professor of su\_\_\_\_\_y *n.* medical treatment of injuries or diseases involving an incision with instruments and often removing or replacing some parts of the body; the branch of medical science that treats disease or injury by operative procedures
33. a te\_\_\_\_\_ue in martial arts *n.* a particular way or art of doing something that needs skill
34. fe\_\_\_\_\_yl overdose *n.* a potent synthetic opioid pain medication often used to treat severe or chronic pain, which is highly addictive and can be very dangerous or lethal in high doses
35. dead as\_\_\_\_p *adj.* in a state of sleep
36. toxic ch\_\_\_\_\_als *adj.* relating to or connected with chemistry;
37. walk ba\_\_\_\_\_rd *adv.* at, to, or toward the direction or place that is behind or rear
38. f\_\_t accomplishment *n.* a notable or impressive achievement, especially one that requires great skill or bravery
39. po\_\_y tea *n.* a plant with large, showy flowers of various colors, including red, pink, yellow, and white, and a capsule containing small seeds, and some species of poppy are used to produce opium and its derivatives

ANSWERS: 29. conscious, 30. normally, 31. chaotic, 32. surgery, 33. technique, 34. fentanyl, 35. asleep, 36. chemical, 37. backward, 38. feat, 39. poppy

40. get into a m\_\_s *n.* a state of confusion, dirtiness, or untidiness; (verb) to fail to do something or to make something dirty or untidy
41. psychic tr\_\_\_a *n.* an emotional wound or shock often has long-lasting effects caused by a highly upsetting or shocking experience
42. silver ox\_\_e *n.* a chemical compound that contains at least one oxygen atom and one other element
43. perfect mi\_\_\_\_\_e *n.* a combination of different elements, substances, or entities, usually in non-uniform proportions, resulting in a homogeneous or heterogeneous blend of physical or chemical properties
44. antidiarrheal ag\_\_t *n.* a person who represents and negotiates on behalf of someone else, such as a literary agent or talent agent; (of chemistry and medicine) a substance that brings about a chemical or physical effect; (of computer science) a piece of software that performs a task autonomously
45. he\_\_\_\_\_k grove *n.* a poisonous plant with a characteristic odor, having white or purple flowers and finely divided leaves
46. tr\_\_\_\_\_ic event *adj.* relating to or caused by injury, especially emotional injury
47. in\_\_\_e him to see a doctor *v.* to persuade someone to do something; to cause to act in a specific manner
48. po\_\_\_n bilateral relations *n.* a substance that can cause illness, injury, or death when ingested, inhaled, or absorbed through the skin; something harmful, malicious, or toxic; the act of damaging or ruining a relationship; (verb) to introduce a substance into something or someone harmful and potentially deadly

ANSWERS: 40. mess, 41. trauma, 42. oxide, 43. mixture, 44. agent, 45. hemlock, 46. traumatic, 47. induce, 48. poison

49. 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.
50. 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
51. not no\_\_\_\_ly drink much      *adv.* usually; under normal conditions
52. ma\_\_\_\_ke cultivation      *n.* a plant with a forked root that is said to resemble the human body and that has long been used in traditional medicine and folklore
53. airport ga\_\_\_\_y      *n.* an entrance, door, or other openings that lead to a larger space, particularly one that serves as an entry point or access point to a larger area or system; a route, means, or method used to gain access to or acquire something
54. cell me\_\_\_\_nes      *n.* a soft, thin layer that forms animal or vegetable tissue
55. unc\_\_\_\_us bias      *adj.* in the state of lacking awareness and the capacity for sensory perception, especially as the result of a head injury or illness
56. ne\_\_\_\_n cell body      *n.* a cell that is specialized to carry information within the brain and between the brain and other parts of the body

ANSWERS: 49. adjust, 50. process, 51. normally, 52. mandrake, 53. gateway, 54. membrane, 55. unconscious, 56. neuron

57. specialized ane\_\_\_\_\_ist      *n.* a medical doctor who specializes in administering anesthesia to help control pain and monitor the vital signs of patients during procedures and surgeries
58. pa\_\_\_\_\_y to understanding      *n.* a track that constitutes or serves as a path; an approach or a way of doing something
59. an op\_\_\_\_d analgesic      *n.* substances that have an effect similar to opium, such as morphine, used in medicines to treat severe pain, but some people take them illegally for pleasure and become addicted
60. chronic ki\_\_\_\_y disease      *n.* either of a pair of small organs in the body that filter waste products, especially urea, from the blood and excrete them and water in urine
61. the te\_\_\_\_\_ue applied to construction      *n.* a particular way or art of doing something that needs skill
62. su\_\_\_\_\_e a blizzard      *v.* to live or exist despite a dangerous event or period
63. ane\_\_\_\_\_ze a patient      *v.* to administer a drug or other substance that causes a loss of sensation or consciousness, often to perform a medical procedure; to numb or dull a physical or emotional sensation
64. se\_\_\_\_\_ve medication      *n.* a drug or medication that has a calming or sleep-inducing effect on the body and mind; something that soothes or pacifies

ANSWERS: 57. anesthesiologist, 58. pathway, 59. opioid, 60. kidney, 61. technique, 62. survive, 63. anesthetize, 64. sedative

65. botanical ex\_\_\_\_t *n.* a short passage taken from a book, piece of music, etc.; a substance obtained from something through a specific process; (verb) to obtain from something or to remove something by effort or force
66. a ch\_\_\_\_al compound *adj.* relating to or connected with chemistry;
67. a person who is unc\_\_\_\_us *adj.* in the state of lacking awareness and the capacity for sensory perception, especially as the result of a head injury or illness
68. re\_\_\_\_or for HIV in humans *n.* an organ having nerve endings that respond to stimulation such as heat or cold and makes the body react in a particular way
69. an ele\_\_\_\_al storm *adj.* relating to electricity
70. a ne\_\_\_\_ve number *adj.* having the quality of something bad or harmful; expressing refusal
71. a jar of j\_m *n.* a situation in which something becomes stuck because of a dense crowd of people, vehicles, etc.; a preserve of crushed fruit
72. a combative im\_\_\_\_e *n.* a sudden strong and unreflective wish or need to do something; the electrical discharge that travels along a nerve fiber
73. lif\_\_\_\_ng device *n.* the act or process of rescuing someone else's life, especially from drowning
74. se\_\_r a positive relationship *v.* to break or separate something by cutting, especially suddenly and forcibly

ANSWERS: 65. extract, 66. chemical, 67. unconscious, 68. receptor, 69. electrical, 70. negative, 71. jam, 72. impulse, 73. lifesaving, 74. sever

75. intellectual f\_\_t *n.* a notable or impressive achievement, especially one that requires great skill or bravery
76. ac\_\_\_\_\_e extract *n.* a highly toxic plant of the buttercup family, also known as monkshood or wolfsbane, containing alkaloid poisons, historically used as a poison or in traditional medicine for its sedative and analgesic properties
77. degree in ele\_\_\_\_\_al engineering *adj.* relating to electricity
78. ba\_\_\_\_\_de fencing *n.* a barrier, often improvised or temporary, used to block passage or protect against danger or attack
79. mo\_\_\_\_\_r the data carefully *v.* to observe, check, and track the progress or quality of something over a period of time
80. damage to internal or\_\_ns *n.* a part of the body of an animal or plant that has a particular purpose and performs a specific job
81. in\_\_\_\_\_ce the daily life *n.* the ability to affect someone's or something's character, growth, or behavior, or the effect itself
82. excite the ne\_\_\_\_ns *n.* a cell that is specialized to carry information within the brain and between the brain and other parts of the body
83. combined ox\_\_e *n.* a chemical compound that contains at least one oxygen atom and one other element

ANSWERS: 75. feat, 76. aconite, 77. electrical, 78. barricade, 79. monitor, 80. organ, 81. influence, 82. neuron, 83. oxide

84. co\_\_\_\_\_e overdose *n.* a highly addictive stimulant drug that is derived from the leaves of the coca plant, often used recreationally for its euphoric effects but also used in medicine as a local anesthetic and vasoconstrictor
85. temporary me\_\_\_\_\_l treatment *adj.* relating to the treatment of illness or injuries; relating to the practice of medicine
86. 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
87. a com\_\_\_\_\_ed process *adj.* involving a lot of different things or parts in a way that is difficult to understand or analyze
88. pre-Christian an\_\_\_\_\_t *adj.* relating to the long ago, particularly the historical period preceding the fall of the Western Roman Empire; very old
89. in\_\_\_\_\_e the smoke *v.* to breathe in air or a different substance, such as smoke
90. b\_\_d the man's hands *v.* to tie or fasten someone or something tightly with rope, string, etc. so that they cannot move or are held together strongly
91. mi\_\_\_\_\_e of emotions *n.* a combination of different elements, substances, or entities, usually in non-uniform proportions, resulting in a homogeneous or heterogeneous blend of physical or chemical properties

ANSWERS: 84. cocaine, 85. medical, 86. protein, 87. complicated, 88. ancient, 89. inhale, 90. bind, 91. mixture



92. se\_\_r a rope *v.* to break or separate something by cutting, especially suddenly and forcibly
93. re\_\_\_\_e one word with another *v.* to take the place of something
94. de\_\_\_l hygiene *adj.* of or relating to teeth
95. tr\_\_\_\_it the disease *v.* to send or forward an electronic signal; to pass something from one person or thing to another
96. et\_\_\_\_al beauty *adj.* delicate, light, and airy; extremely refined or subtle; heavenly or spiritual
97. po\_\_t the premise *v.* to suggest or accept something as fact or as a basis for argument or consideration
98. or\_\_n bleeding *n.* a part of the body of an animal or plant that has a particular purpose and performs a specific job
99. op\_\_\_\_d receptor *n.* substances that have an effect similar to opium, such as morphine, used in medicines to treat severe pain, but some people take them illegally for pleasure and become addicted
100. harmful co\_\_\_\_nd *n.* an item composed of two or more distinct elements combined; a chemical formed by the combination of two or more elements
101. cellular re\_\_\_\_or *n.* an organ having nerve endings that respond to stimulation such as heat or cold and makes the body react in a particular way

ANSWERS: 92. sever, 93. replace, 94. dental, 95. transmit, 96. ethereal, 97. posit, 98. organ, 99. opioid, 100. compound, 101. receptor

102. ar\_\_\_y blockage *n.* one of the thick tubes in humans and most other animals that takes blood away from the heart to one or more parts of the body such as tissues, lungs, brain, etc.
103. a rec\_\_\_\_\_nal center *adj.* relating to or for leisure or pleasure; done for enjoyment rather than work or duty
104. de\_\_\_l care *adj.* of or relating to teeth
105. 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
106. in\_\_\_n civilians *v.* to put someone in prison, especially for political or military reasons; (noun) a student or trainee who works, sometimes for free, to get work experience or to fulfill qualification criteria
107. pr\_\_\_\_\_le cause of a fire *adj.* likely to happen or likely to be true
108. development of the ne\_\_\_\_\_s system *adj.* worried and anxious about something; relating to the nerves
109. oph\_\_\_\_\_ogy clinic *n.* the branch of medicine that deals with the anatomy, physiology, and diseases of the eye
110. in\_\_\_e the aroma *v.* to breathe in air or a different substance, such as smoke

ANSWERS: 102. artery, 103. recreational, 104. dental, 105. develop, 106. intern, 107. probable, 108. nervous, 109. ophthalmology, 110. inhale

111. tr\_\_\_a care *n.* an emotional wound or shock often has long-lasting effects caused by a highly upsetting or shocking experience
112. risk of coronary ar\_\_\_y disease *n.* one of the thick tubes in humans and most other animals that takes blood away from the heart to one or more parts of the body such as tissues, lungs, brain, etc.
113. a scientific di\_\_\_\_\_ry *n.* the act or process of finding information, a place, or an object, or learning about something that was previously not known
114. local ane\_\_\_\_\_ia *n.* a state of controlled, temporary loss of bodily sensation or awareness that is induced for medical purposes
115. as\_\_\_p at the wheel *adj.* in a state of sleep
116. charged pa\_\_\_\_\_le *n.* a small piece of something; a word or piece of a term with grammatical function but little or no significance
117. ve\_\_\_s thrombosis *adj.* relating to, situated in, or carrying blood through the veins of the body
118. c\_\_m sea *adj.* not excited, angry, or nervous; free from wind, large waves
119. ma\_\_\_\_\_ke plant *n.* a plant with a forked root that is said to resemble the human body and that has long been used in traditional medicine and folklore
120. the ba\_\_\_\_\_e of power *n.* a condition in which everything has the same weight or force; something left after other parts have been taken away

ANSWERS: 111. trauma, 112. artery, 113. discovery, 114. anesthesia, 115. asleep, 116. particle, 117. venous, 118. calm, 119. mandrake, 120. balance

121. native to\_\_\_e *n.* a moveable mass of muscle tissue covered with mucous membrane that is in the mouth; a language
122. get ne\_\_\_\_s *adj.* worried and anxious about something; relating to the nerves
123. et\_\_l acetate *n.* a chemical compound derived from ethane, used in producing many industrial chemicals and as a solvent, commonly used as a prefix for chemicals containing one or more ethyl groups
124. ane\_\_\_\_\_ze a wound *v.* to administer a drug or other substance that causes a loss of sensation or consciousness, often to perform a medical procedure; to numb or dull a physical or emotional sensation
125. ba\_\_\_\_\_rd angle *adv.* at, to, or toward the direction or place that is behind or rear
126. sp\_\_\_\_\_ic instructions *adj.* clearly defined or particular to a certain thing or situation; distinct, explicit, and precise
127. ag\_\_t system *n.* a person who represents and negotiates on behalf of someone else, such as a literary agent or talent agent; (of chemistry and medicine) a substance that brings about a chemical or physical effect; (of computer science) a piece of software that performs a task autonomously
128. ane\_\_\_\_\_ic injection *n.* a substance that is administered to a person or an animal to produce a loss of sensation or consciousness so that medical or surgical procedures can be performed without causing pain

ANSWERS: 121. tongue, 122. nervous, 123. ethyl, 124. anesthetize, 125. backward, 126. specific, 127. agent, 128. anesthetic

129. play a vi\_\_l role *adj.* necessary for the success or continued existence of something
130. diluted al\_\_\_\_l *n.* a clear liquid that can make people drunk and is used in medicines, cleaning products, etc.
131. without in\_\_\_y *n.* harm done to a person's or an animal's body caused by an accident or an attack
132. traditional me\_\_\_\_\_al *adj.* of or relating to the treatment or cure of disease
133. su\_\_\_\_\_e a plane crash *v.* to live or exist despite a dangerous event or period
134. ac\_\_\_\_\_e plant *n.* a highly toxic plant of the buttercup family, also known as monkshood or wolfsbane, containing alkaloid poisons, historically used as a poison or in traditional medicine for its sedative and analgesic properties
135. 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.
136. co\_\_\_\_\_us effort *adj.* being aware of and able to respond to what is happening around you
137. ve\_\_\_s blood *adj.* relating to, situated in, or carrying blood through the veins of the body
138. take a pai\_\_\_\_\_er beforehand *n.* medicine used to relieve physical pain
139. manually op\_\_\_\_\_e a machine *v.* to work in a particular way; to supervise something

ANSWERS: 129. vital, 130. alcohol, 131. injury, 132. medicinal, 133. survive, 134. aconite, 135. adjust, 136. conscious, 137. venous, 138. painkiller, 139. operate

140. li\_\_r disease *n.* a large organ in the body, involved in many metabolic processes, such as detoxification of the organism, and the synthesis of proteins
141. army su\_\_\_\_\_n *n.* a doctor who is trained to perform medical operations that involve cutting open a person's body
142. a brief ex\_\_\_\_\_t from the book *n.* a short passage taken from a book, piece of music, etc.; a substance obtained from something through a specific process; (verb) to obtain from something or to remove something by effort or force
143. rec\_\_\_\_\_nal drugs *adj.* relating to or for leisure or pleasure; done for enjoyment rather than work or duty
144. oph\_\_\_\_\_ogy practice *n.* the branch of medicine that deals with the anatomy, physiology, and diseases of the eye
145. nuclear me\_\_\_\_\_ne *n.* a soft, thin layer that forms animal or vegetable tissue
146. com\_\_\_\_\_te well with my advisor *v.* to share or exchange information with others by speaking, writing, moving your body, or using other signals
147. a me\_\_\_\_\_l opinion *adj.* relating to the treatment of illness or injuries; relating to the practice of medicine
148. become increasingly com\_\_\_\_\_ed *adj.* involving a lot of different things or parts in a way that is difficult to understand or analyze

ANSWERS: 140. liver, 141. surgeon, 142. extract, 143. recreational, 144. ophthalmology, 145. membrane, 146. communicate, 147. medical, 148. complicated

149. vi\_\_l for a healthy society *adj.* necessary for the success or continued existence of something
150. com\_\_\_\_\_te his anxieties to the psychiatrist *v.* to share or exchange information with others by speaking, writing, moving your body, or using other signals
151. et\_\_\_\_\_al light *adj.* delicate, light, and airy; extremely refined or subtle; heavenly or spiritual
152. take a se\_\_\_\_\_ve *n.* a drug or medication that has a calming or sleep-inducing effect on the body and mind; something that soothes or pacifies
153. in\_\_\_e a crisis *v.* to persuade someone to do something; to cause to act in a specific manner
154. a mixed ch\_\_\_s *n.* a group of singers or speakers who perform together, typically in a musical or dramatic production; the part of a song where a soloist is joined by a group of singers
155. 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
156. do l\_\_g transplantation *n.* either of the two organs in the chest that people and some animals use for breathing
157. b\_\_d old letters into a bundle *v.* to tie or fasten someone or something tightly with rope, string, etc. so that they cannot move or are held together strongly

ANSWERS: 149. vital, 150. communicate, 151. ethereal, 152. sedative, 153. induce, 154. chorus, 155. sedate, 156. lung, 157. bind

158. po\_\_t the existence of life after death  
*v.* to suggest or accept something as fact or as a basis for argument or consideration
159. occ\_\_\_\_\_lly change the routine  
*adv.* now and then; sometimes but not often
160. stop drinking al\_\_\_\_\_l  
*n.* a clear liquid that can make people drunk and is used in medicines, cleaning products, etc.
161. et\_\_l group  
*n.* a chemical compound derived from ethane, used in producing many industrial chemicals and as a solvent, commonly used as a prefix for chemicals containing one or more ethyl groups
162. fe\_\_\_\_\_yl patch  
*n.* a potent synthetic opioid pain medication often used to treat severe or chronic pain, which is highly addictive and can be very dangerous or lethal in high doses
163. co\_\_\_\_\_e chemically with another substance  
*v.* to join or merge to form a single thing or group
164. injury in a car ac\_\_\_\_\_nt  
*n.* an unfortunate event, especially one causing damage or injury
165. ga\_\_\_\_\_y drug  
*n.* an entrance, door, or other openings that lead to a larger space, particularly one that serves as an entry point or access point to a larger area or system; a route, means, or method used to gain access to or acquire something
166. police ba\_\_\_\_\_de  
*n.* a barrier, often improvised or temporary, used to block passage or protect against danger or attack

ANSWERS: 158. posit, 159. occasionally, 160. alcohol, 161. ethyl, 162. fentanyl, 163. combine, 164. accident, 165. gateway, 166. barricade



167. the great di\_\_\_\_\_ry of the century     *n.* the act or process of finding information, a place, or an object, or learning about something that was previously not known
168. profound religious im\_\_\_\_\_es     *n.* a sudden strong and unreflective wish or need to do something; the electrical discharge that travels along a nerve fiber
169. ce\_\_\_\_\_an delivery     *adj.* ( also known as "C-section") relating to the delivery of a baby through a surgical incision made in the mother's abdomen and uterus rather than through vaginal birth
170. local ane\_\_\_\_\_ic     *n.* a substance that is administered to a person or an animal to produce a loss of sensation or consciousness so that medical or surgical procedures can be performed without causing pain
171. medical in\_\_\_\_\_n     *v.* to put someone in prison, especially for political or military reasons; (noun) a student or trainee who works, sometimes for free, to get work experience or to fulfill qualification criteria
172. pr\_\_\_\_\_le outcome     *adj.* likely to happen or likely to be true
173. ane\_\_\_\_\_ia for surgery     *n.* a state of controlled, temporary loss of bodily sensation or awareness that is induced for medical purposes
174. to\_\_\_\_\_e cancer     *n.* a moveable mass of muscle tissue covered with mucous membrane that is in the mouth; a language

ANSWERS: 167. discovery, 168. impulse, 169. cesarean, 170. anesthetic, 171. intern, 172. probable, 173. anesthesia, 174. tongue

175. 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
176. fatty li\_\_r *n.* a large organ in the body, involved in many metabolic processes, such as detoxification of the organism, and the synthesis of proteins
177. cardiac su\_\_\_\_y *n.* medical treatment of injuries or diseases involving an incision with instruments and often removing or replacing some parts of the body; the branch of medical science that treats disease or injury by operative procedures
178. global con\_\_\_\_\_ity *n.* the state or quality of being connected or interconnected; the ability of devices, systems, or networks to communicate with and exchange information with each other
179. mo\_\_\_n poetry *adj.* of or belonging to the present time or recent times
180. an excellent brain su\_\_\_\_n *n.* a doctor who is trained to perform medical operations that involve cutting open a person's body
181. 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

ANSWERS: 175. patient, 176. liver, 177. surgery, 178. connectivity, 179. modern, 180. surgeon, 181. patient

182. an artificial ki\_\_\_y      *n.* either of a pair of small organs in the body that filter waste products, especially urea, from the blood and excrete them and water in urine
183. der\_\_\_\_\_ve works      *n.* something which is based on another thing or word or idea; a financial instrument whose value is based on another security
184. co\_\_\_\_\_e augmented reality      *v.* to join or merge to form a single thing or group
185. h\_p on one foot      *v.* to jump lightly and quickly on one foot or both feet; to move rapidly from one place to another; to travel using an aircraft, bus, etc.
186. cellular signaling pa\_\_\_\_\_ys      *n.* a track that constitutes or serves as a path; an approach or a way of doing something
187. ro\_\_\_\_\_ly check      *adv.* on a regular or habitual basis; in a manner that is customary or expected
188. emergency ce\_\_\_\_\_an      *adj.* ( also known as "C-section") relating to the delivery of a baby through a surgical incision made in the mother's abdomen and uterus rather than through vaginal birth
189. lif\_\_\_\_\_ng efforts      *n.* the act or process of rescuing someone else's life, especially from drowning
190. st\_\_\_\_\_re and function of the brain      *n.* the way of construction of something and the arrangement of its parts, or a complex thing constructed of many parts

ANSWERS: 182. kidney, 183. derivative, 184. combine, 185. hop, 186. pathway, 187. routinely, 188. cesarean, 189. lifesaving, 190. structure

191. ro\_\_\_\_\_ly scheduled maintenance      *adv.* on a regular or habitual basis; in a manner that is customary or expected
192. pre-mo\_\_\_n agricultural society      *adj.* of or belonging to the present time or recent times
193. d\_m collapsing      *n.* a wall constructed over a river to block the flow of water, mainly used to generate energy
194. industry-sp\_\_\_\_\_ic regulations      *adj.* clearly defined or particular to a certain thing or situation; distinct, explicit, and precise
195. a fatal in\_\_\_y      *n.* harm done to a person's or an animal's body caused by an accident or an attack
196. 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
197. use of dietary sup\_\_\_\_\_nts      *n.* something that is added to something else to make it better or complete it
198. h\_p from one place to another      *v.* to jump lightly and quickly on one foot or both feet; to move rapidly from one place to another; to travel using an aircraft, bus, etc.
199. 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

ANSWERS: 191. routinely, 192. modern, 193. dam, 194. specific, 195. injury, 196. process, 197. supplement, 198. hop, 199. movement

200. 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
201. wage sup\_\_\_\_\_nt      *n.* something that is added to something else to make it better or complete it
202. in\_\_\_\_\_ce a child's future      *n.* the ability to affect someone's or something's character, growth, or behavior, or the effect itself
203. op\_\_\_\_\_e 24 hours a day      *v.* to work in a particular way; to supervise something
204. digital con\_\_\_\_\_ity      *n.* the state or quality of being connected or interconnected; the ability of devices, systems, or networks to communicate with and exchange information with each other
205. me\_\_\_\_\_al chemistry      *adj.* of or relating to the treatment or cure of disease
206. 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
207. a quintet ch\_\_\_\_s      *n.* a group of singers or speakers who perform together, typically in a musical or dramatic production; the part of a song where a soloist is joined by a group of singers
208. permanent br\_\_n damage      *n.* the organ inside the head that is responsible for one's movement, thought, memory, and feeling

ANSWERS: 200. protein, 201. supplement, 202. influence, 203. operate, 204. connectivity, 205. medicinal, 206. develop, 207. chorus, 208. brain

ANSWERS:

## Session 3: Fill in the Blanks

1. The \_\_\_\_\_ of the song was catchy and easily memorized.  
*n.* a group of singers or speakers who perform together, typically in a musical or dramatic production; the part of a song where a soloist is joined by a group of singers
  
2. The blood's red coloring comes from iron \_\_\_\_\_.  
*n.* a chemical compound that contains at least one oxygen atom and one other element
  
3. They have been living near water since \_\_\_\_\_ times.  
*adj.* relating to the long ago, particularly the historical period preceding the fall of the Western Roman Empire; very old
  
4. He lay down and fell \_\_\_\_\_ immediately.  
*adj.* in a state of sleep
  
5. The shredder in the print room often has paper \_\_\_\_\_.  
*n.* a situation in which something becomes stuck because of a dense crowd of people, vehicles, etc.; a preserve of crushed fruit
  
6. The rabbit \_\_\_\_\_ over the fence.  
*v.* to jump lightly and quickly on one foot or both feet; to move rapidly from one place to another; to travel using an aircraft, bus, etc.
  
7. Hay fever occurs when a substance called histamine binds to \_\_\_\_\_ in the nose and eyes.  
*n.* an organ having nerve endings that respond to stimulation such as heat or cold and makes the body react in a particular way

ANSWERS: 1. chorus, 2. oxide, 3. ancient, 4. asleep, 5. jams, 6. hopped, 7. receptors

8. I have a \_\_\_\_\_ appointment at 2 pm to get my teeth cleaned.

*adj.* of or relating to teeth

9. The dentist administered an \_\_\_\_\_ to numb the patient's mouth before the procedure.

*n.* a substance that is administered to a person or an animal to produce a loss of sensation or consciousness so that medical or surgical procedures can be performed without causing pain

10. He suffers from \_\_\_\_\_ breakdowns.

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

11. My accidental \_\_\_\_\_ got better right away.

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

12. X-rays revealed a small tumor in his \_\_\_\_\_.

*n.* the organ inside the head that is responsible for one's movement, thought, memory, and feeling

13. The paint was a \_\_\_\_\_ of different pigments to achieve the desired color.

*n.* a combination of different elements, substances, or entities, usually in non-uniform proportions, resulting in a homogeneous or heterogeneous blend of physical or chemical properties

14. He became \_\_\_\_\_ that he was being followed.

*adj.* being aware of and able to respond to what is happening around you

15. The abuse of \_\_\_\_\_ has reached epidemic proportions in some parts of the country.

*n.* a potent synthetic opioid pain medication often used to treat severe or chronic pain, which is highly addictive and can be very dangerous or lethal in high doses

ANSWERS: 8. dental, 9. anesthetic, 10. nervous, 11. injury, 12. brain, 13. mixture, 14. conscious, 15. fentanyl



16. My grandfather had a problem with his eyes and went to an \_\_\_\_\_ specialist.
- n.* the branch of medicine that deals with the anatomy, physiology, and diseases of the eye
17. He is in general \_\_\_\_\_ under the surgeon.
- n.* a state of controlled, temporary loss of bodily sensation or awareness that is induced for medical purposes
18. The protestors built a \_\_\_\_\_ to prevent police from entering the area.
- n.* a barrier, often improvised or temporary, used to block passage or protect against danger or attack
19. Actuators convert \_\_\_\_\_ pulses into motion.
- adj.* relating to electricity
20. She wore a red \_\_\_\_\_ on her lapel to honor the veterans.
- n.* a plant with large, showy flowers of various colors, including red, pink, yellow, and white, and a capsule containing small seeds, and some species of poppy are used to produce opium and its derivatives
21. Our body transfers information along each \_\_\_\_\_ using an electrical impulse.
- n.* a cell that is specialized to carry information within the brain and between the brain and other parts of the body
22. Parents often \_\_\_\_\_ their characteristics to their children.
- v.* to send or forward an electronic signal; to pass something from one person or thing to another
23. She still \_\_\_\_\_ writes a short romance novel.
- adv.* now and then; sometimes but not often

ANSWERS: 16. ophthalmology, 17. anesthesia, 18. barricade, 19. electrical, 20. poppy, 21. neuron, 22. transmit, 23. occasionally

24. Certain \_\_\_\_\_ may promote tumor growth.

*n.* something that is added to something else to make it better or complete it

25. The \_\_\_\_\_ properties of this herb have been known to help with various ailments.

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

26. 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

27. I enjoy \_\_\_\_\_ activities such as hiking and swimming.

*adj.* relating to or for leisure or pleasure; done for enjoyment rather than work or duty

28. We should \_\_\_\_\_ several hypotheses to discuss the matter.

*v.* to suggest or accept something as fact or as a basis for argument or consideration

29. Her research team made an important \_\_\_\_\_.

*n.* the act or process of finding information, a place, or an object, or learning about something that was previously not known

30. I don't \_\_\_\_\_ take a vacation in the middle of summer.

*adv.* usually; under normal conditions

31. The doctor prescribed a \_\_\_\_\_ to help me sleep.

*n.* a drug or medication that has a calming or sleep-inducing effect on the body and mind; something that soothes or pacifies

ANSWERS: 24. supplements, 25. medicinal, 26. process, 27. recreational, 28. posit, 29. discovery, 30. normally, 31. sedative

32. French is a \_\_\_\_\_ of Latin.

*n.* something which is based on another thing or word or idea; a financial instrument whose value is based on another security

33. 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

34. 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

35. The experience was so \_\_\_\_\_ that it left a lasting impact on the survivor's mental health.

*adj.* relating to or caused by injury, especially emotional injury

36. \_\_\_\_\_ trees are often used as ornamental plants but can be dangerous if ingested.

*n.* a poisonous plant with a characteristic odor, having white or purple flowers and finely divided leaves

37. The \_\_\_\_\_ music created a dreamlike atmosphere in the concert hall.

*adj.* delicate, light, and airy; extremely refined or subtle; heavenly or spiritual

38. The FBI \_\_\_\_\_ went undercover to infiltrate the criminal organization.

*n.* a person who represents and negotiates on behalf of someone else, such as a literary agent or talent agent; (of chemistry and medicine) a substance that brings about a chemical or physical effect; (of computer science) a piece of software that performs a task autonomously

ANSWERS: 32. derivative, 33. movement, 34. dam, 35. traumatic, 36. Hemlock, 37. ethereal, 38. agent

39. He has terminal \_\_\_\_\_ cancer.

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

40. The detective suspected \_\_\_\_\_ poisoning when the victim showed severe gastrointestinal distress and respiratory failure symptoms.

- n.* a highly toxic plant of the buttercup family, also known as monkshood or wolfsbane, containing alkaloid poisons, historically used as a poison or in traditional medicine for its sedative and analgesic properties

41. 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

42. The company's rules \_\_\_\_\_ the employee's working hours.

- v.* to tie or fasten someone or something tightly with rope, string, etc. so that they cannot move or are held together strongly

43. Common salt is a sodium and chlorine \_\_\_\_\_.

- n.* an item composed of two or more distinct elements combined; a chemical formed by the combination of two or more elements

44. This machine is too difficult to \_\_\_\_\_ for me.

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

45. 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

ANSWERS: 39. lung, 40. aconite, 41. develop, 42. bind, 43. compound, 44. operate, 45. medical

46. Loud noises might harm the fragile ear \_\_\_\_\_.

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

47. The \_\_\_\_\_ partially destroyed my vehicle.

*n.* an unfortunate event, especially one causing damage or injury

48. The patient was diagnosed with a \_\_\_\_\_ clot in his leg, requiring immediate medical attention.

*adj.* relating to, situated in, or carrying blood through the veins of the body

49. 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

50. It seems \_\_\_\_\_ that he has forgotten our scheduled meeting.

*adj.* likely to happen or likely to be true

51. The movie has received almost universally \_\_\_\_\_ criticism.

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

52. Treatment for \_\_\_\_\_ dependence may be a long-term process.

*n.* substances that have an effect similar to opium, such as morphine, used in medicines to treat severe pain, but some people take them illegally for pleasure and become addicted

53. These infections have the potential to impact practically every \_\_\_\_\_ system.

*n.* a part of the body of an animal or plant that has a particular purpose and performs a specific job

ANSWERS: 46. membrane, 47. accident, 48. venous, 49. protein, 50. probable, 51. negative, 52. opioid, 53. organ

54. The navy \_\_\_\_\_ ships of defeated nations.

- v.* to put someone in prison, especially for political or military reasons; (noun) a student or trainee who works, sometimes for free, to get work experience or to fulfill qualification criteria

55. The \_\_\_\_\_ to the city was a beautiful archway made of stone.

- n.* an entrance, door, or other openings that lead to a larger space, particularly one that serves as an entry point or access point to a larger area or system; a route, means, or method used to gain access to or acquire something

56. These birds can only \_\_\_\_\_ in temperate climates.

- v.* to live or exist despite a dangerous event or period

57. Continuous consumption of fatty foods leads to the hardening of the \_\_\_\_\_.

- n.* one of the thick tubes in humans and most other animals that takes blood away from the heart to one or more parts of the body such as tissues, lungs, brain, etc.

58. The \_\_\_\_\_ recovery period can be longer and more challenging than a vaginal birth recovery.

- adj.* (also known as "C-section") relating to the delivery of a baby through a surgical incision made in the mother's abdomen and uterus rather than through vaginal birth

59. He made a frightful \_\_\_\_\_ in his room.

- n.* a state of confusion, dirtiness, or untidiness; (verb) to fail to do something or to make something dirty or untidy

60. The lack of sleep \_\_\_\_\_ both physical and psychological diseases.

- v.* to persuade someone to do something; to cause to act in a specific manner

ANSWERS: 54. interned, 55. gateway, 56. survive, 57. artery, 58. cesarean, 59. mess, 60. induces

61. The drug dealer was arrested for possession of \_\_\_\_\_.
- n.* a highly addictive stimulant drug that is derived from the leaves of the coca plant, often used recreationally for its euphoric effects but also used in medicine as a local anesthetic and vasoconstrictor
62. The experienced \_\_\_\_\_ monitored the patient's vital signs throughout the procedure.
- n.* a medical doctor who specializes in administering anesthesia to help control pain and monitor the vital signs of patients during procedures and surgeries
63. Eventually, the new design will \_\_\_\_\_ all older models.
- v.* to take the place of something
64. The organizational \_\_\_\_\_ of start-ups is often flat and straightforward.
- n.* the way of construction of something and the arrangement of its parts, or a complex thing constructed of many parts
65. Jockey's superior \_\_\_\_\_ brought him victory.
- n.* a particular way or art of doing something that needs skill
66. The firm has grown into a large \_\_\_\_\_ manufacturing.
- adj.* relating to or connected with chemistry;
67. Many civilians have suffered \_\_\_\_\_ as a result of the war.
- n.* an emotional wound or shock often has long-lasting effects caused by a highly upsetting or shocking experience
68. He had undergone heart \_\_\_\_\_ years before.
- n.* medical treatment of injuries or diseases involving an incision with instruments and often removing or replacing some parts of the body; the branch of medical science that treats disease or injury by operative procedures

ANSWERS: 61. cocaine, 62. anesthesiologist, 63. replace, 64. structure, 65. technique, 66. chemical, 67. trauma, 68. surgery

69. Their headquarters are in a \_\_\_\_\_ skyscraper.

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

70. He did \_\_\_\_\_ pen-and-ink drawings in just a few days.

*adj.* involving a lot of different things or parts in a way that is difficult to understand or analyze

71. The patient will undergo \_\_\_\_\_ transplant surgery tomorrow.

*n.* a large organ in the body, involved in many metabolic processes, such as detoxification of the organism, and the synthesis of proteins

72. 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

73. Over-the-counter \_\_\_\_\_ are less effective for patients who have taken many in the past.

*n.* medicine used to relieve physical pain

74. 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

75. They \_\_\_\_\_ conduct fire drills to ensure everyone in the building knows what to do in an emergency.

*adv.* on a regular or habitual basis; in a manner that is customary or expected

76. The surgeon removed the healthy \_\_\_\_\_ from the donor.

*n.* either of a pair of small organs in the body that filter waste products, especially urea, from the blood and excrete them and water in urine

ANSWERS: 69. modern, 70. complicated, 71. liver, 72. patient's, 73. painkillers, 74. particles, 75. routinely, 76. kidney



77. 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
78. The dentist will \_\_\_\_\_ your mouth before removing your wisdom teeth.  
*v.* to administer a drug or other substance that causes a loss of sensation or consciousness, often to perform a medical procedure; to numb or dull a physical or emotional sensation
79. 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
80. The laboratory uses \_\_\_\_\_ alcohol as a cleaning solvent for equipment.  
*n.* a chemical compound derived from ethane, used in producing many industrial chemicals and as a solvent, commonly used as a prefix for chemicals containing one or more ethyl groups
81. The plant's leaves contain a deadly \_\_\_\_\_ that can cause hallucinations and seizures.  
*n.* a substance that can cause illness, injury, or death when ingested, inhaled, or absorbed through the skin; something harmful, malicious, or toxic; the act of damaging or ruining a relationship; (verb) to introduce a substance into something or someone harmful and potentially deadly
82. Hydrogen and oxygen \_\_\_\_\_ to form water.  
*v.* to join or merge to form a single thing or group
83. Perseverance and optimism are \_\_\_\_\_ to success.  
*adj.* necessary for the success or continued existence of something

ANSWERS: 77. monitor, 78. anesthetize, 79. specific, 80. ethyl, 81. poison, 82. combine, 83. vital

84. It was the first time in a long time that I felt truly \_\_\_\_\_ and at peace.  
*adj.* not excited, angry, or nervous; free from wind, large waves
85. The \_\_\_\_\_ root has been used in traditional medicine for centuries.  
*n.* a plant with a forked root that is said to resemble the human body and that has long been used in traditional medicine and folklore
86. The former emperor had a particular \_\_\_\_\_ even after he abdicated.  
*n.* the ability to affect someone's or something's character, growth, or behavior, or the effect itself
87. He \_\_\_\_\_ a branch from a tree quickly.  
*v.* to break or separate something by cutting, especially suddenly and forcibly
88. Change is also occurring in Turkey as a result of \_\_\_\_\_ reform.  
*adj.* without any order or organization; extremely disorganized, unpredictable, and confusing
89. The hotel offers high-speed internet \_\_\_\_\_ for all its guests.  
*n.* the state or quality of being connected or interconnected; the ability of devices, systems, or networks to communicate with and exchange information with each other
90. There is a clear association between \_\_\_\_\_ consumption and cognitive decline.  
*n.* a clear liquid that can make people drunk and is used in medicines, cleaning products, etc.
91. Anesthetize the gum before \_\_\_\_\_ the teeth.  
*n.* a short passage taken from a book, piece of music, etc.; a substance obtained from something through a specific process; (verb) to obtain from something or to remove something by effort or force

ANSWERS: 84. calm, 85. mandrake, 86. influence, 87. severed, 88. chaotic, 89. connectivity, 90. alcohol, 91. extracting

92. He \_\_\_\_\_ deeply, trying to calm down.

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

93. It is an incredible \_\_\_\_\_ to climb Mount Everest, the highest mountain in the world.

*n.* a notable or impressive achievement, especially one that requires great skill or bravery

94. The patient needs a \_\_\_\_\_ transplant operation.

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

95. She falls over \_\_\_\_\_ when she sees her mother-in-law.

*adv.* at, to, or toward the direction or place that is behind or rear

96. I know his \_\_\_\_\_ habit that he touches his face when he lies.

*adj.* in the state of lacking awareness and the capacity for sensory perception, especially as the result of a head injury or illness

97. Nerve \_\_\_\_\_ cross a synapse through the action of neurotransmitters.

*n.* a sudden strong and unreflective wish or need to do something; the electrical discharge that travels along a nerve fiber

98. Try to keep a \_\_\_\_\_ between work and off.

*n.* a condition in which everything has the same weight or force; something left after other parts have been taken away

99. The \_\_\_\_\_ is boneless, but it is as strong as bones.

*n.* a moveable mass of muscle tissue covered with mucous membrane that is in the mouth; a tongue

ANSWERS: 92. inhaled, 93. feat, 94. lifesaving, 95. backward, 96. unconscious, 97. impulses, 98. balance, 99. tongue

100. When the first molecule in the \_\_\_\_\_ receives a signal, it activates other molecules.

*n.* a track that constitutes or serves as a path; an approach or a way of doing something

101. 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

102. He is a skilled \_\_\_\_\_ that has many years of training and experience.

*n.* a doctor who is trained to perform medical operations that involve cutting open a person's body

103. Dolphins use sound to \_\_\_\_\_ with each other.

*v.* to share or exchange information with others by speaking, writing, moving your body, or using other signals

104. 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: 100. pathway, 101. sedate, 102. surgeon, 103. communicate, 104. adjust