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Vocabulary Builder Reference from...

Anthony Atala: Printing a human kidney | TED Talk
https://www.ted.com/talks/anthony_atala_printing_a_human_kidney

All Words

IMPORTANT

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Session 1: Word List

crisis

n. a time of great disagreement, confusion, or danger when problems must be resolved or critical decisions must be taken

synonym: concern, problem, emergency

(1) financial **crisis**, (2) **crisis** management

The Chinese word for **crisis** comprises two characters, one for danger and the other for opportunity.

shortage

n. a deficiency or lack of something, typically referring to a situation where there is an insufficient supply or quantity of a resource or product to meet the demand or need

synonym: scarcity, deficiency, dearth

(1) water **shortage**, (2) fuel **shortage**

There was a **shortage** of face masks due to the high demand during the pandemic.

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.

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.

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.

transplant

v. to move or transfer something from one place or person to another; to take living tissue or an organ from one person, animal, part of the body, etc. and put it into or onto another

synonym : relocate, emigrate, graft

(1) **transplant** a heart, (2) **transplant** my family to America

He tried to **transplant** the seedling into a larger pot.

barely

adv. just enough; hardly; with great difficulty or effort

synonym : scarcely, hardly, only just

(1) **barely** noticeable, (2) **barely** finished

I **barely** made it to the meeting on time, rushing from another appointment across town.

regenerative

adj. tending to regrow or restore lost or injured tissue

synonym : rejuvenating, restorative, healing

(1) **regenerative** medicine, (2) **regenerative** therapy

The **regenerative** properties of stem cells make them a promising area of research.

involve

v. to include or affect someone or something as a necessary part of something else

synonym : implicate, include, engage

(1) **involve** a lot of paperwork, (2) **involve** a high degree of risk

The investigation **involves** several government agencies and is expected to take several months.

scaffold

n. a temporary platform or structure used to support workers and materials during construction or maintenance work

synonym : platform, staging, framework

(1) **scaffold** construction, (2) go to the **scaffold**

The construction workers set up the **scaffold** to reach the top of the building.

biomaterial

n. a substance, usually synthetic, that is used for medical or veterinary purposes and is designed to mimic or replace biological tissues

(1) **biomaterial** development, (2) **biomaterials** industry

The new **biomaterials** used in implants are more durable and less likely to cause an immune response.

blouse

n. a loose-fitting upper garment for women, typically having a collar, buttons, and sleeves

synonym : shirt, top, tunic

(1) a lacy **blouse**, (2) **blouse** with sleeves

She paired her denim jeans with a delicate floral **blouse**.

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.

implant

v. to insert or fix an artificial device in a person's body; to put an idea, attitude, etc., firmly in the mind

synonym : insert, fix, place

(1) **implant** genes in the animals, (2) **implant** into the uterus
The doctor will **implant** a pacemaker to regulate his heart rate.

regenerate

v. to improve or renew an area, institution, system, etc., especially by making it more active or successful
synonym: renew, revive, improve

(1) **regenerate** bone tissue, (2) a **regenerate** sinner
The new CEO's primary mission is to **regenerate** the company on the verge of bankruptcy.

stem

n. the central part of something from which other parts can develop or grow; the part of a word common to all its inflected variants; (verb) to grow out of, have roots in, or originate in

synonym: branch, limb, (verb) come from

(1) **stem** from a belief, (2) the **stem** of a matchstick
A rose has thorns on its **stem**.

population

n. the total number of people in a country, region, or location

synonym: people, inhabitants, folk

(1) **population** change, (2) labor **population**
In just four years, the **population** has doubled.

cult

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

synonym: sect, faith, religion

(1) **cult** members, (2) **cult's** practices
The **cult** leader promised his followers that they would achieve enlightenment if they followed his teachings.

devise

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

synonym: create, concoct, invent

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

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

suture

n. a stitch or series of stitches used to hold together the edges of a wound or incision so that it can heal; a line of junction between two bones, particularly in the skull of an animal or human

synonym : stitch, seam

(1) surgical **suture**, (2) **suture** thread

The surgeon used a special **suture** to close the wound.

vessel

n. a ship or large boat

synonym : boat, ship, craft

(1) blood **vessels**, (2) naval **vessels**

The **vessel** arrived in port the following day.

graft

n. a transplanted portion of tissue or skin, often taken from one part of the body and used to repair or replace damaged or missing tissue in another part; a corrupt or illegal means of acquiring wealth or power through illicit or unethical methods

synonym : transplant, implantation, bribery

(1) **graft** surgery, (2) anti- **graft** law

The patient's skin **graft** procedure was successful, and he was released from the hospital.

institute

n. an organization that has a specific purpose, particularly one dealing with science, education, or a particular profession; (verb) to initiate, introduce, or establish something

synonym : academy, university, college

(1) **institute** a lawsuit, (2) research **institutes**

This region has many **institutes** offering higher education.

clinical

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

synonym

: dispassionate, analytic, scientific

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

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

advance

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

synonym: progress, boost, come along

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

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

fairly

adv. to a certain extent or degree; without favoring one party in an evenhanded manner

synonym: moderately, reasonably, pretty

(1) **fairly** accurate, (2) have a **fairly** clear view

He deals **fairly** with his employees.

readily

adv. easily or willingly; without hesitation or difficulty; quickly or promptly

synonym: easily, effortlessly, willingly

(1) **readily** available, (2) **readily** accessible

The user manual can **readily** find the information you're looking for.

tackle

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

synonym: deal with, dive into, work on

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

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

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.

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.

pancreas

n. a glandular organ in the digestive system that produces several important hormones, including insulin and glucagon, as well as digestive enzymes that help break down food in the small intestine

synonym: gland, organ, islet

(1) **pancreas** inflammation, (2) **pancreas** function

The endocrine function of the **pancreas** involves the secretion of hormones such as insulin.

vascular

adj. of or relating to blood vessels, especially the veins and arteries that carry blood throughout the body

synonym: circulatory, cardiovascular, arterial

(1) **vascular** disease, (2) **vascular** surgery

The doctor detected a blockage in the patient's **vascular** system.

supple

adj. flexible and easy to bend or move; gracefully agile; adaptable or responsive to change or new ideas

synonym: flexible, pliable, bendable

(1) **supple** muscles, (2) **supple** leather

The ballerina's **supple** movements left the audience mesmerized.

tissue

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

synonym: structure, texture, anatomy

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

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

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.

weave

v. to make cloth, a carpet, a basket, etc., by repeatedly crossing a single thread through two sets of long threads at a right angle to them

synonym : braid, unite, contrive

(1) **weave** on a loom, (2) **weave** a story

The girl **weaves** a garland for her friend.

knit

v. to make a garment or fabric by interlocking loops of yarn with needles or a machine

synonym : weave, crochet, knot

(1) **knit** my eyebrows, (2) **knit** a pair of socks

The grandmother **knit** a warm sweater for her grandchild.

cotton

n. a plant that is grown in warm countries and bears bolls containing seeds with soft and long hairs that are made into textile fiber and thread for sewing

(1) **cotton** cloth, (2) culture of **cotton**

The price of raw **cotton** continued to rise.

spray

n. a fine mist of liquid that is dispersed into the air; flower arrangement consisting of a single branch or shoot bearing flowers and foliage

synonym : mist, aerosol, atomizer

(1) a **spray** of mist, (2) an insect **spray**

The artist used a **spray** paint can to create a graffiti mural on the wall.

fiber

n. thread or filament used to make a vegetable tissue, mineral material, or textile

synonym : yarn, thread, wool

(1) carbon **fiber**, (2) synthetic **fiber**

We must consume dietary **fiber** to maintain good health.

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.

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.

deceased

- adj.* no longer alive; dead
- synonym* : dead, defunct, expired
- (1) **deceased** loved one, (2) **deceased** relative
- The **deceased** person's family was notified of their passing.

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.

gap

- n.* a conspicuous disparity or difference separates something such as a figure, people, their opinions, situation, etc.
- synonym* : opening, lacuna, spread
- (1) the **gap** between ideal and reality, (2) distance **gap**
- Many people are working together to close the gender **gap**.

X-ray

- n.* a type of electromagnetic radiation that has a wavelength shorter than visible light allowing hidden objects such as bones and organs inside the body to be photographed

synonym: roentgenogram, photon radiography

(1) **X-ray** scan, (2) an **X-ray** of arteries

The doctor ordered an **X-ray** to see if there was any damage to the bones.

analyze

v. to think about in-depth and evaluate to discover essential features or meaning

synonym: explore, examine, investigate

(1) **analyze** a chemical compound, (2) **analyze** your real motives

The teacher attempted to **analyze** the root cause of our mistake.

microscope

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

synonym: lens, magnifier, eyepiece

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

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

obtain

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

synonym: accept, acquire, receive

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

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

genetically

adv. in a way that relates to or is produced by genes (= the units in the cells of a living thing received by an animal or plant from its parents) or heredity

synonym: hereditary, inherited, family-related

(1) **genetically** inherited traits, (2) **genetically** manipulated plant

The **genetically** modified crops were resistant to pests and required less water.

disease

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

synonym : illness, ailment, affliction

(1) **disease** prevention, (2) **disease** control

The doctor diagnosed him with a rare **disease** that had no known cure.

concept

n. an idea or principle associated with something abstract

synonym : idea, notion, vision

(1) learn new **concepts**, (2) **concept** car

One such rapidly growing **concept** is quantum cryptography.

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.

postage

n. the cost or fee paid for sending a letter or package through the mail or postal service; the stamps or labels affixed to a mail item to indicate that the required postage has been paid

synonym : shipping, mailing, stamp

(1) **postage** cost, (2) prepaid **postage**

I need to buy more **postage** stamps for my international mail.

tease

v. to make fun of someone or make jokes about them, either in a playful way or to upset them; to separate the fibers of something; to ruffle a person's or animal's hair by combing

synonym : bully, annoy, provoke

(1) **tease** the children, (2) **tease** wool

This ad is intended to **tease** a competing product.

layer

n. a sheet, quantity, or thickness of the material, typically one of several, covering a surface or body; a level or part within a system or set of ideas

synonym : stratum, sheet, coating

(1) **layer** cake, (2) **layer** of paint

The **layer** of frost on the ground was so thick it was difficult to walk on.

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.

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.

engineer

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

synonym: architect, creator, builder

(1) a civil **engineer**, (2) **engineer** shortage

The **engineer** will repair my telephone tomorrow morning.

seed

n. a small, hard, often round, a reproductive structure that contains a plant's genetic material and is capable of growing into a new plant

synonym: germ, kernel, ovule

(1) a **seed** coat, (2) **seed** money

He planted the **seed** in the soil and waited for it to sprout.

leaflet

n. a small, thin piece of paper or other material, often used for advertising or informational purposes; a small branch or part of a leaf

synonym: pamphlet, brochure, flier

(1) information **leaflet**, (2) political **leaflet**

The environmental group handed out **leaflets** to raise awareness of the dangers of deforestation.

experimental

adj. relating to or based on new ideas, forms, methods, etc. that have not been tried before, usually to find out what effect they have

synonym : empirical, exploratory, observed

(1) **experimental** data, (2) **experimental** design

The product is still in the **experimental** stage.

bladder

n. a hollow, flexible sac-like organ in the body that stores and expels fluids, such as urine or bile

synonym : vesica, cyst, sac

(1) **bladder** infection, (2) swollen **bladder**

Drinking too much coffee can irritate the **bladder** and cause frequent urination.

degree

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

synonym : level, qualification, diploma

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

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

centigrade

n. a system of temperature measurement in which the freezing point of water is 0 degrees and the boiling point of water is 100 degrees; also known as the Celsius scale

(1) **centigrade** scale, (2) **centigrade** thermometer

The temperature reached a peak of 35 degrees **centigrade**.

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.

dimension

n. a measurable extent of a particular kind, such as width, height, or length

synonym : extent, measurement, size

(1) new **dimension**, (2) the crosswise **dimension**

Overall **dimensions** are approximately 400x200mm.

solid

adj. hard or firm; characterized by good substantial quality

synonym : stable, reliable, hard

(1) **solid** ally, (2) **solid** employment measures

The **solid-state** of water is called ice.

discard

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

synonym : throw away, reject, abandon

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

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

skeleton

n. the structure of bones in a human or animal body, or a framework of bones or other material that supports a plant

synonym : bones, frame, structure

(1) the steel **skeleton** of a building, (2) **skeleton** hand

Scientists studied the ancient **skeleton** to learn more about the creature's anatomy.

perfuse

v. to saturate or supply with a fluid or substance, especially to supply oxygenated blood to tissue or organs, often through a network of blood vessels

synonym : imbue, saturate, infuse

(1) **perfuse** blood, (2) rapidly **perfuse** the organs

The doctor recommended using a nitroglycerin spray to **perfuse** the medication into the patient's system quickly.

preserve

v. to keep or maintain a particular quality, feature, etc., especially to prevent it from decaying, being damaged, or being destroyed

synonym : conserve, care for, maintain

(1) **preserve** my strength, (2) **preserve** a country's heritage
They worked hard to **preserve** the nature of their native lands.

infiltrate

v. to enter or penetrate a group, organization, or place covertly or secretly, usually with a specific purpose or goal in mind; to spread or diffuse through something gradually or subtly

synonym: penetrate, sneak in, invade

(1) **infiltrate** the bloodstream, (2) **infiltrate** a community
The spy was able to **infiltrate** the enemy's headquarters undetected.

parenchyma

n. a type of tissue found in plants and animals, consisting of unspecialized cells that are the foundation of the organ or structure in which they are found, performing various functions such as storage, photosynthesis, and support

synonym: ground tissue, fundamental tissue

(1) **parenchyma** tissue, (2) hepatic **parenchyma**

The **parenchyma** cells in the plant tissue are responsible for photosynthesis.

desktop

n. a flat working surface or table that is usually placed on top of a desk, typically used for a computer or other work-related activities

synonym: computer, workstation, PC

(1) **desktop** software, (2) **desktop** wallpaper

I need to upgrade my **desktop** computer since it's become quite slow.

ink-jet

adj. of or relating to a type of printing technology commonly used in printers and other imaging devices that is a method of producing hard copies of digital images or documents by propelling tiny droplets of ink onto paper or other printable surfaces

(1) **ink-jet** printing, (2) **ink-jet** droplet

The printer used **ink-jet** technology for high-quality prints.

elevator

n. a mechanical device used for vertical transportation, typically in multi-story buildings, consisting of a compartmentalized platform that moves between floors
synonym: lift, hoist

(1) **elevator** ride, (2) modern **elevator**

The hotel's **elevator** was out of order, so we had to take the stairs to our room on the fifth floor.

slide

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

synonym: glide, drift, drop

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

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

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.

generation

n. all the people born and living at about the same time, regarded collectively; the production of heat or electricity

synonym: cohort, age group, era

(1) **generation** gap, (2) the **generation** of electricity

The younger **generation** has different values and beliefs than the older one.

sophisticated

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

synonym: refined, cultured, worldly

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

Marketing strategies are growing more **sophisticated**.

scan

v. to examine something hastily, with the eyes or with a machine, to get information

synonym: look over, scrutinize, browse

(1) **scan** the face of the man, (2) **scan** a document into PDF
She stood on the podium and **scanned** an audience.

flatbed

n. a type of truck or trailer with an open, flat platform for carrying cargo or equipment; a type of scanner or printer that uses a flat, stationary surface to capture or print images

synonym: platform, truck bed, deck

(1) **flatbed** printing, (2) **flatbed** scanner

The construction workers used a **flatbed** truck to transport the heavy materials.

demonstrate

v. to display something or give an exhibition to an interested audience

synonym: show, illustrate, display

(1) **demonstrate** a difference, (2) **demonstrate** mastery

How can you **demonstrate** that the earth is a sphere?

representative

n. someone who speaks or acts officially on behalf of another person or group of people

synonym: spokesperson, agent, delegate

(1) an official **representative**, (2) sales **representative**

The media **representatives** had special passes.

gel

n. a semi-solid substance, often transparent or translucent, that is used in various products from personal care to food to medicine, and which typically consists of a gelling agent that thickens the liquid

synonym: jelly, goo, paste

(1) **gel** nail polish, (2) antibacterial **gel**

I must use hair **gel** to style my hair for the job interview.

lift

v. to raise something to a higher position or level; to pick up something or somebody and move them to a different

position

synonym: raise, elevate, move up

(1) **lift** sagging skin, (2) **lift** a ban on alcohol

The drought **lifted** the prices of grain globally.

stick

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

synonym: pierce, adhere, stay

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

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

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.

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.

challenging

adj. difficult, demanding, or requiring a high degree of skill or effort; presenting a difficult problem or obstacle

synonym: difficult, demanding, arduous

(1) **challenging** task, (2) mentally **challenging**

The advanced math problem was **challenging**, but the student was determined to solve it.

strategy

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

synonym : approach, procedure, scenario

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

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

morphometric

adj. relating to the measurement and analysis of the physical shape and structure of organisms, objects, or systems

synonym : geometric, dimensional, quantitative

(1) **morphometric** parameters, (2) **morphometric** measurements

The **morphometric** analysis revealed significant differences in body size among the different species of birds.

reconstruction

n. the process of rebuilding or repairing something that has been damaged or destroyed or of restoring something to its original condition

synonym : rebuilding, remodeling, renovation

(1) **reconstruction** aid, (2) **reconstruction** aid

The government announced a plan for the **reconstruction** of the city's infrastructure.

rotation

n. the action or process of moving in a circle around an axis or center

synonym : revolution, spin, turning

(1) job **rotation**, (2) a period of **rotation**

The **rotation** of the Earth causes day and night.

volumetric

adj. relating to or measured by volume, which refers to the amount of space occupied by an object or substance

synonym : dimensional, spatial, cubic

(1) **volumetric** flow rate, (2) **volumetric** analysis

The 3D printer uses **volumetric** calculations to determine the material needed for each print job.

characteristic

n. a typical feature or quality that can identify, tell apart, or describe something or somebody

synonym : feature, quality, attribute

(1) stripes **characteristic** of the zebra, (2) my friend's **characteristic** laugh

Bananas have their **characteristic** taste and odor.

onstage

adv. onto or on a stage in a theater; in front of an audience

(1) appeared **onstage**, (2) walk **onstage**

He performed his magic trick **onstage**, leaving the audience in awe.

glove

n. a piece of clothing worn on the hand and wrist for protection against cold, dirt, etc., with separate parts for each finger

synonym : mitt

(1) a right-hand **glove**, (2) 5-finger **glove**

She was wearing a black **glove**.

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.

consistency

n. the quality of acting or being done in the same way over time; the quality of not containing any logical contradictions

synonym : thickness, firmness, regularity

(1) lack **consistency**, (2) **consistency** of results

There's no **consistency** in his arguments.

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.

- clip** *n.* a small metal or plastic device used for holding an object or objects together or in place; a short part of electronic media, either an audio clip or video clip
synonym : buckle, hook, pin
(1) tie **clip**, (2) short video **clip**
He fastens some sheets of paper with a **clip**.
- miserable** *adj.* very unhappy, uncomfortable, or unpleasant; causing great distress or suffering
synonym : unhappy, wretched, cheerless
(1) **miserable** weather, (2) **miserable** experience
She felt **miserable** after her dog passed away.
- recess** *n.* a period of time when the members of a parliament, committee, etc., are adjourned; a short break in a trial in court
synonym : break, interval, pause
(1) a court **recess**, (2) during noon **recess**
The company decided to take a **recess** and reconvene the meeting later that day.
- lifetime** *n.* the duration of someone's life or something's existence;
synonym : lifespan, duration
(1) **lifetime** benefits, (2) **lifetime** ban from the sport
She had lived through two world wars in her **lifetime**.
- dialysis** *n.* a medical treatment that removes waste and excess fluids from the blood of a patient with kidney failure
(1) **dialysis** nurse, (2) **dialysis** machine
Regular **dialysis** treatments are necessary for those with kidney failure.
- 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.

wrestling

n. a sport in which two contestants grapple and try to throw each other to the ground

synonym : grappling, fighting, brawling

(1) **wrestling** match, (2) arm **wrestling**

He had always been interested in sumo **wrestling** and decided to try it.

captain

n. the leader of a group of people, especially who is in charge of a ship or aircraft

synonym : boss, director, leader

(1) the **captain** of an opposing team, (2) **captain** of industry

The **captain** ordered the troops to fire.

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**.

experiment

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

synonym : experimentation, investigation

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

His **experiments** showed highly positive results.

sophomore

n. a student in their second year of college or high school; used more broadly to refer to someone who is experienced in a particular activity or field

synonym : second-year student, junior, apprentice

(1) **sophomore** in high school, (2) **sophomore** slump

The university student was now a **sophomore**, having completed their first year of studies.

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.

mass

n. a large amount of a substance with no definite shape or form; a large number of people or things grouped or crowded together

synonym : abundance, crowd, mob

(1) a **mass** of molten rock, (2) critical **mass**

The **mass** of people who do not own property is politically impotent.

spin

v. to cause something to rotate rapidly; to cause someone to feel dizzy or disoriented

synonym : rotate, twirl, swirl

(1) **spin** a top, (2) **spin** thread out of cotton

The tornado is **spinning** across the countryside, destroying everything in its path.

bifida

n. a congenital condition where the spinal column does not fully close during fetal development, resulting in a defect in the spinal cord or nerves

synonym : myelomeningocele, occult spinal dysraphism

(1) meningocele **bifida**, (2) occulta **bifida**

The pediatrician recommended specialized care for the baby diagnosed with spina **bifida**.

lab

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

synonym : workshop, laboratory, research chamber

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

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

crazy

adj. stupid or not sensible; very angry

synonym : insane, absurd, bizarre

(1) **crazy** about cars and racing, (2) a **crazy** scheme

The rain and thunder are **crazy** today.

amazing

adj. extremely surprising, especially in a way that you like or admire

synonym : exceptional, extraordinary, wonderful

(1) **amazing** advances, (2) the most **amazing** feeling

The golfer recorded an **amazing** distance.

shyness

n. the quality or state of being worried or embarrassed about meeting and speaking to other people

synonym : bashfulness, timidity, modesty

(1) lose some of my **shyness**, (2) **shyness** barrier

He finally overcame his **shyness**.

convincing

adj. able to make someone believe that something is true

synonym : clear, compelling, believable

(1) a **convincing** victory, (2) **convincing** biochemical explanation

I found her assertion pretty **convincing**.

modest

adj. having or showing a humble estimate of one's merits, importance, etc.; free from vanity, egotism, boastfulness, or great pretensions

synonym : unassuming, humble, unpretentious

(1) **modest** income, (2) only a **modest** fee

Despite his many achievements, he remained **modest** and down-to-earth.

profess

v. to declare openly, often publicly or formally, that one has a particular skill, belief, or feeling; to admit or affirm

synonym : declare, claim, confess

(1) **profess** innocence, (2) **profess** law

He **professes** his love for her every day, showering her with

gifts and affection.

permission

n. consent or authorization given by someone in authority or by the owner of something, allowing someone to do something or allowing something to occur

synonym: approval, consent, authorization

(1) grant **permission**, (2) **permission** for permanent residence

I asked my boss for **permission** to leave early for a doctor's appointment.

reaction

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

synonym: response, reply, answer

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

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

stubborn

adj. refusing to change one's mind or behavior despite persuasion or evidence to the contrary; unyielding; difficult to move or change

synonym: persistent, obstinate, determined

(1) **stubborn** attitude, (2) **stubborn** stains

He was so **stubborn** about his beliefs that he refused to listen to any other points of view.

honor

n. high regard or great respect for someone; the quality of having and doing based on a keen sense of morality; (verb) to show respect towards someone

synonym: integrity, virtue, acclaim

(1) womanly **honor**, (2) **honor** our ancestors

I claim on my **honor** that it is true.

privilege

n. a special right or advantage that only one person or group of people has, usually because they are rich and powerful in a society

synonym : benefit, authorization, advantage

(1) a breach of **privilege**, (2) **privilege** of membership

In the Middle Ages, the right to hunt in the wild was the **privilege** of royalty and nobility.

Session 2: Spelling

- | | |
|-----------------------------|---|
| 1. lose some of my sh_____s | <i>n.</i> the quality or state of being worried or embarrassed about meeting and speaking to other people |
| 2. water sh_____ge | <i>n.</i> a deficiency or lack of something, typically referring to a situation where there is an insufficient supply or quantity of a resource or product to meet the demand or need |
| 3. anti-gr__t law | <i>n.</i> a transplanted portion of tissue or skin, often taken from one part of the body and used to repair or replace damaged or missing tissue in another part; a corrupt or illegal means of acquiring wealth or power through illicit or unethical methods |
| 4. chronic ki____y disease | <i>n.</i> 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 |
| 5. a fatal in____y | <i>n.</i> harm done to a person's or an animal's body caused by an accident or an attack |
| 6. inf_____te a community | <i>v.</i> to enter or penetrate a group, organization, or place covertly or secretly, usually with a specific purpose or goal in mind; to spread or diffuse through something gradually or subtly |

ANSWERS: 1. shyness, 2. shortage, 3. graft, 4. kidney, 5. injury, 6. infiltrate

7. participate in cl____al trials *adj.* of or relating to the examination and treatment of patients rather than theoretical or laboratory studies
8. occulta bi____a *n.* a congenital condition where the spinal column does not fully close during fetal development, resulting in a defect in the spinal cord or nerves
9. meningocele bi____a *n.* a congenital condition where the spinal column does not fully close during fetal development, resulting in a defect in the spinal cord or nerves
10. sp____ic instructions *adj.* clearly defined or particular to a certain thing or situation; distinct, explicit, and precise
11. in____e a lot of paperwork *v.* to include or affect someone or something as a necessary part of something else
12. walk on____e *adv.* onto or on a stage in a theater; in front of an audience
13. tra____nt a heart *v.* to move or transfer something from one place or person to another; to take living tissue or an organ from one person, animal, part of the body, etc. and put it into or onto another
14. st____rn attitude *adj.* refusing to change one's mind or behavior despite persuasion or evidence to the contrary; unyielding; difficult to move or change
15. ta____e the issue *v.* to try to deal with a complex problem or situation

ANSWERS: 7. clinical, 8. bifida, 9. bifida, 10. specific, 11. involve, 12. onstage, 13. transplant, 14. stubborn, 15. tackle

16. exp_____tal design *adj.* relating to or based on new ideas, forms, methods, etc. that have not been tried before, usually to find out what effect they have
17. mor_____ric parameters *adj.* relating to the measurement and analysis of the physical shape and structure of organisms, objects, or systems
18. de___e a literary plot *v.* to come up with an idea, plan, theory, etc., using your intelligence or imagination
19. s___n a document into PDF *v.* to examine something hastily, with the eyes or with a machine, to get information
20. labor pop_____on *n.* the total number of people in a country, region, or location
21. a court re___s *n.* a period of time when the members of a parliament, committee, etc., are adjourned; a short break in a trial in court
22. 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
23. gen_____ly inherited traits *adv.* in a way that relates to or is produced by genes (= the units in the cells of a living thing received by an animal or plant from its parents) or heredity
24. surgical su___e *n.* a stitch or series of stitches used to hold together the edges of a wound or incision so that it can heal; a line of junction between two bones, particularly in the skull of an animal or human

ANSWERS: 16. experimental, 17. morphometric, 18. devise, 19. scan, 20. population, 21. recess, 22. structure, 23. genetically, 24. suture

25. sl__e a card across the table *v.* to move or cause to move smoothly along a surface without interruption
26. di_____is nurse *n.* a medical treatment that removes waste and excess fluids from the blood of a patient with kidney failure
27. bio_____al development *n.* a substance, usually synthetic, that is used for medical or veterinary purposes and is designed to mimic or replace biological tissues
28. so__d ally *adj.* hard or firm; characterized by good substantial quality
29. information le_____t *n.* a small, thin piece of paper or other material, often used for advertising or informational purposes; a small branch or part of a leaf
30. 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
31. a cr__y scheme *adj.* stupid or not sensible; very angry
32. va_____ar surgery *adj.* of or relating to blood vessels, especially the veins and arteries that carry blood throughout the body
33. mentally cha_____ng *adj.* difficult, demanding, or requiring a high degree of skill or effort; presenting a difficult problem or obstacle
34. de___e a plan *v.* to come up with an idea, plan, theory, etc., using your intelligence or imagination

ANSWERS: 25. slide, 26. dialysis, 27. biomaterial, 28. solid, 29. leaflet, 30. patient, 31. crazy, 32. vascular, 33. challenging, 34. devise

35. gen_____ly manipulated plant *adv.* in a way that relates to or is produced by genes (= the units in the cells of a living thing received by an animal or plant from its parents) or heredity
36. st__k a key in a lock *v.* to put something, usually a sharp object, into something; to restrict yourself to doing or using one certain thing and not change; (noun) a thin piece of wood or other material
37. short video c__p *n.* a small metal or plastic device used for holding an object or objects together or in place; a short part of electronic media, either an audio clip or video clip
38. am_____g advances *adj.* extremely surprising, especially in a way that you like or admire
39. swollen bl_____r *n.* a hollow, flexible sac-like organ in the body that stores and expels fluids, such as urine or bile
40. ba___y finished *adv.* just enough; hardly; with great difficulty or effort
41. wr_____ng match *n.* a sport in which two contestants grapple and try to throw each other to the ground
42. fire st__k *v.* to put something, usually a sharp object, into something; to restrict yourself to doing or using one certain thing and not change; (noun) a thin piece of wood or other material
43. di_____e prevention *n.* a disorder or illness that affects the body or mind, often characterized by specific symptoms or abnormal functioning of organs or systems

ANSWERS: 35. genetically, 36. stick, 37. clip, 38. amazing, 39. bladder, 40. barely, 41. wrestling, 42. stick, 43. disease

44. ba____rd angle *adv.* at, to, or toward the direction or place that is behind or rear
45. grant per_____on *n.* consent or authorization given by someone in authority or by the owner of something, allowing someone to do something or allowing something to occur
46. l_b instrument *n.* a workplace for the conduct of scientific research; a laboratory
47. s__d money *n.* a small, hard, often round, a reproductive structure that contains a plant's genetic material and is capable of growing into a new plant
48. help ta___e climate change *v.* to try to deal with a complex problem or situation
49. fuel sh_____ge *n.* a deficiency or lack of something, typically referring to a situation where there is an insufficient supply or quantity of a resource or product to meet the demand or need
50. only a mo___t fee *adj.* having or showing a humble estimate of one's merits, importance, etc.; free from vanity, egotism, boastfulness, or great pretensions
51. bachelor's de___e *n.* a unit of measurement for angles, temperature, or level of proficiency or achievement; a rank or level of academic or professional attainment
52. during noon re___s *n.* a period of time when the members of a parliament, committee, etc., are adjourned; a short break in a trial in court

ANSWERS: 44. backward, 45. permission, 46. lab, 47. seed, 48. tackle, 49. shortage, 50. modest, 51. degree, 52. recess

53. without in___y *n.* harm done to a person's or an animal's body caused by an accident or an attack
54. ad_____e the technology *v.* to go or move forward; to develop in a positive way
55. con_____cy of results *n.* the quality of acting or being done in the same way over time; the quality of not containing any logical contradictions
56. n__m of action *n.* something that is regarded as usual, typical, or standard
57. a sp__y of mist *n.* a fine mist of liquid that is dispersed into the air; flower arrangement consisting of a single branch or shoot bearing flowers and foliage
58. su___e thread *n.* a stitch or series of stitches used to hold together the edges of a wound or incision so that it can heal; a line of junction between two bones, particularly in the skull of an animal or human
59. hepatic par_____ma *n.* a type of tissue found in plants and animals, consisting of unspecialized cells that are the foundation of the organ or structure in which they are found, performing various functions such as storage, photosynthesis, and support
60. in_____e a high degree of risk *v.* to include or affect someone or something as a necessary part of something else
61. vol_____ic flow rate *adj.* relating to or measured by volume, which refers to the amount of space occupied by an object or substance

ANSWERS: 53. injury, 54. advance, 55. consistency, 56. norm, 57. spray, 58. suture, 59. parenchyma, 60. involve, 61. volumetric

62. a civil en_____er *n.* a person whose job is designing, building, or maintaining something such as machines, structures, or software
63. research in_____tes *n.* an organization that has a specific purpose, particularly one dealing with science, education, or a particular profession; (verb) to initiate, introduce, or establish something
64. a te_____ue in martial arts *n.* a particular way or art of doing something that needs skill
65. pe_____e blood *v.* to saturate or supply with a fluid or substance, especially to supply oxygenated blood to tissue or organs, often through a network of blood vessels
66. mic_____pe slide *n.* an instrument used to see objects or substances that are too small to be seen with the naked eye
67. sk_____on hand *n.* the structure of bones in a human or animal body, or a framework of bones or other material that supports a plant
68. 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
69. su_____e a blizzard *v.* to live or exist despite a dangerous event or period
70. pop_____on change *n.* the total number of people in a country, region, or location

ANSWERS: 62. engineer, 63. institute, 64. technique, 65. perfuse, 66. microscope, 67. skeleton, 68. develop, 69. survive, 70. population

71. cr__y about cars and racing *adj.* stupid or not sensible; very angry
72. have a fa___y clear view *adv.* to a certain extent or degree; without favoring one party in an evenhanded manner
73. pa_____as function *n.* a glandular organ in the digestive system that produces several important hormones, including insulin and glucagon, as well as digestive enzymes that help break down food in the small intestine
74. 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
75. loss of muscle ti___e *n.* an ensemble of similar cells of the animal or plant that together carry out a specific function
76. con_____ng biochemical explanation *adj.* able to make someone believe that something is true
77. 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
78. su___e muscles *adj.* flexible and easy to bend or move; gracefully agile; adaptable or responsive to change or new ideas
79. reg_____ive therapy *adj.* tending to regrow or restore lost or injured tissue

ANSWERS: 71. crazy, 72. fairly, 73. pancreas, 74. kidney, 75. tissue, 76. convincing, 77. patient, 78. supple, 79. regenerative

80. so_____re slump *n.* a student in their second year of college or high school; used more broadly to refer to someone who is experienced in a particular activity or field
81. te__e the children *v.* to make fun of someone or make jokes about them, either in a playful way or to upset them; to separate the fibers of something; to ruffle a person's or animal's hair by combing
82. electron mic_____pe *n.* an instrument used to see objects or substances that are too small to be seen with the naked eye
83. la__r cake *n.* a sheet, quantity, or thickness of the material, typically one of several, covering a surface or body; a level or part within a system or set of ideas
84. s__m from a belief *n.* the central part of something from which other parts can develop or grow; the part of a word common to all its inflected variants; (verb) to grow out of, have roots in, or originate in
85. gen_____on gap *n.* all the people born and living at about the same time, regarded collectively; the production of heat or electricity
86. de_____ed relative *adj.* no longer alive; dead
87. li_____me ban from the sport *n.* the duration of someone's life or something's existence;
88. l__t sagging skin *v.* to raise something to a higher position or level; to pick up something or somebody and move them to a different position

ANSWERS: 80. sophomore, 81. tease, 82. microscope, 83. layer, 84. stem, 85. generation, 86. deceased, 87. lifetime, 88. lift

89. the te_____ue applied to construction
90. in_____te a lawsuit
91. pr_____ve my strength
92. synthetic fi__r
93. li__r disease
94. an X-__y of arteries
95. de_____p software
96. im_____t genes in the animals
- n.* a particular way or art of doing something that needs skill
- n.* an organization that has a specific purpose, particularly one dealing with science, education, or a particular profession; (verb) to initiate, introduce, or establish something
- v.* to keep or maintain a particular quality, feature, etc., especially to prevent it from decaying, being damaged, or being destroyed
- n.* thread or filament used to make a vegetable tissue, mineral material, or textile
- n.* a large organ in the body, involved in many metabolic processes, such as detoxification of the organism, and the synthesis of proteins
- n.* a type of electromagnetic radiation that has a wavelength shorter than visible light allowing hidden objects such as bones and organs inside the body to be photographed
- n.* a flat working surface or table that is usually placed on top of a desk, typically used for a computer or other work-related activities
- v.* to insert or fix an artificial device in a person's body; to put an idea, attitude, etc., firmly in the mind

ANSWERS: 89. technique, 90. institute, 91. preserve, 92. fiber, 93. liver, 94. X-ray, 95. desktop, 96. implant

97. sc____ld construction *n.* a temporary platform or structure used to support workers and materials during construction or maintenance work
98. political le____t *n.* a small, thin piece of paper or other material, often used for advertising or informational purposes; a small branch or part of a leaf
99. a sop_____ted lifestyle *adj.* having a great deal of worldly experience and knowledge of people's behavior, culture, and fashion
100. 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
101. mo___t income *adj.* having or showing a humble estimate of one's merits, importance, etc.; free from vanity, egotism, boastfulness, or great pretensions
102. a right-hand gl__e *n.* a piece of clothing worn on the hand and wrist for protection against cold, dirt, etc., with separate parts for each finger
103. modern el____or *n.* a mechanical device used for vertical transportation, typically in multi-story buildings, consisting of a compartmentalized platform that moves between floors
104. sl__e a glance *v.* to move or cause to move smoothly along a surface without interruption
105. we__e on a loom *v.* to make cloth, a carpet, a basket, etc., by repeatedly crossing a single thread through two sets of long threads at a right angle to them

ANSWERS: 97. scaffold, 98. leaflet, 99. sophisticated, 100. organ, 101. modest, 102. glove, 103. elevator, 104. slide, 105. weave

106. prepaid po____e *n.* the cost or fee paid for sending a letter or package through the mail or postal service; the stamps or labels affixed to a mail item to indicate that the required postage has been paid
107. 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
108. mi_____le weather *adj.* very unhappy, uncomfortable, or unpleasant; causing great distress or suffering
109. in_____t droplet *adj.* of or relating to a type of printing technology commonly used in printers and other imaging devices that is a method of producing hard copies of digital images or documents by propelling tiny droplets of ink onto paper or other printable surfaces
110. stripes cha_____tic of the zebra *n.* a typical feature or quality that can identify, tell apart, or describe something or somebody
111. cen_____de scale *n.* a system of temperature measurement in which the freezing point of water is 0 degrees and the boiling point of water is 100 degrees; also known as the Celsius scale
112. a period of ro_____on *n.* the action or process of moving in a circle around an axis or center
113. bl_____r infection *n.* a hollow, flexible sac-like organ in the body that stores and expels fluids, such as urine or bile

ANSWERS: 106. postage, 107. liver, 108. miserable, 109. ink-jet, 110. characteristic, 111. centigrade, 112. rotation, 113. bladder

114. sop_____ted look *adj.* having a great deal of worldly experience and knowledge of people's behavior, culture, and fashion
115. carbon fi__r *n.* thread or filament used to make a vegetable tissue, mineral material, or textile
116. 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
117. series of exp_____nts *n.* the scientific test conducted to observe what happens and gain new knowledge
118. an_____e your real motives *v.* to think about in-depth and evaluate to discover essential features or meaning
119. reg_____te bone tissue *v.* to improve or renew an area, institution, system, etc., especially by making it more active or successful
120. traditional me_____al *adj.* of or relating to the treatment or cure of disease
121. develop a st_____gy *n.* a detailed plan of action designed to achieve a long-term or overall goal.
122. el_____or ride *n.* a mechanical device used for vertical transportation, typically in multi-story buildings, consisting of a compartmentalized platform that moves between floors
123. l__t a ban on alcohol *v.* to raise something to a higher position or level; to pick up something or somebody and move them to a different position

ANSWERS: 114. sophisticated, 115. fiber, 116. structure, 117. experiment, 118. analyze, 119. regenerate, 120. medicinal, 121. strategy, 122. elevator, 123. lift

124. womanly ho__r *n.* high regard or great respect for someone; the quality of having and doing based on a keen sense of morality; (verb) to show respect towards someone
125. su___e leather *adj.* flexible and easy to bend or move; gracefully agile; adaptable or responsive to change or new ideas
126. li_____me benefits *n.* the duration of someone's life or something's existence;
127. fl_____d scanner *n.* a type of truck or trailer with an open, flat platform for carrying cargo or equipment; a type of scanner or printer that uses a flat, stationary surface to capture or print images
128. pa_____as inflammation *n.* a glandular organ in the digestive system that produces several important hormones, including insulin and glucagon, as well as digestive enzymes that help break down food in the small intestine
129. a s__d coat *n.* a small, hard, often round, a reproductive structure that contains a plant's genetic material and is capable of growing into a new plant
130. 5-finger gl__e *n.* a piece of clothing worn on the hand and wrist for protection against cold, dirt, etc., with separate parts for each finger
131. di_____is machine *n.* a medical treatment that removes waste and excess fluids from the blood of a patient with kidney failure

ANSWERS: 124. honor, 125. supple, 126. lifetime, 127. flatbed, 128. pancreas, 129. seed, 130. glove, 131. dialysis

132. new di_____on *n.* a measurable extent of a particular kind, such as width, height, or length
133. sales rep_____ive *n.* someone who speaks or acts officially on behalf of another person or group of people
134. ob___n a bid *v.* to get something, especially by making a great effort
135. 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
136. tra_____nt my family to America *v.* to move or transfer something from one place or person to another; to take living tissue or an organ from one person, animal, part of the body, etc. and put it into or onto another
137. in_____t printing *adj.* of or relating to a type of printing technology commonly used in printers and other imaging devices that is a method of producing hard copies of digital images or documents by propelling tiny droplets of ink onto paper or other printable surfaces
138. ba___y noticeable *adv.* just enough; hardly; with great difficulty or effort
139. cha_____ng task *adj.* difficult, demanding, or requiring a high degree of skill or effort; presenting a difficult problem or obstacle
140. 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

ANSWERS: 132. dimension, 133. representative, 134. obtain, 135. oxygen, 136. transplant, 137. ink-jet, 138. barely, 139. challenging, 140. communicate

141. military st____gy *n.* a detailed plan of action designed to achieve a long-term or overall goal.
142. mor____ric measurements *adj.* relating to the measurement and analysis of the physical shape and structure of organisms, objects, or systems
143. pr____ge of membership *n.* a special right or advantage that only one person or group of people has, usually because they are rich and powerful in a society
144. dem____te a difference *v.* to display something or give an exhibition to an interested audience
145. de____p wallpaper *n.* a flat working surface or table that is usually placed on top of a desk, typically used for a computer or other work-related activities
146. k__t a pair of socks *v.* to make a garment or fabric by interlocking loops of yarn with needles or a machine
147. de____ed loved one *adj.* no longer alive; dead
148. per____on for permanent residence *n.* consent or authorization given by someone in authority or by the owner of something, allowing someone to do something or allowing something to occur
149. 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

ANSWERS: 141. strategy, 142. morphometric, 143. privilege, 144. demonstrate, 145. desktop, 146. knit, 147. deceased, 148. permission, 149. surgery

150. cen_____de thermometer *n.* a system of temperature measurement in which the freezing point of water is 0 degrees and the boiling point of water is 100 degrees; also known as the Celsius scale
151. culture of co____n *n.* a plant that is grown in warm countries and bears bolls containing seeds with soft and long hairs that are made into textile fiber and thread for sewing
152. critical m__s *n.* a large amount of a substance with no definite shape or form; a large number of people or things grouped or crowded together
153. cr____s management *n.* a time of great disagreement, confusion, or danger when problems must be resolved or critical decisions must be taken
154. st_____rn stains *adj.* refusing to change one's mind or behavior despite persuasion or evidence to the contrary; unyielding; difficult to move or change
155. naval ve____ls *n.* a ship or large boat
156. reg_____ive medicine *adj.* tending to regrow or restore lost or injured tissue
157. the gen_____on of electricity *n.* all the people born and living at about the same time, regarded collectively; the production of heat or electricity
158. a facial ti____e *n.* an ensemble of similar cells of the animal or plant that together carry out a specific function

ANSWERS: 150. centigrade, 151. cotton, 152. mass, 153. crisis, 154. stubborn, 155. vessel, 156. regenerative, 157. generation, 158. tissue

159. di_____d the downloaded data *v.* to throw something away or get rid of something that you no longer wanted or need
160. exp_____nt design *n.* the scientific test conducted to observe what happens and gain new knowledge
161. tracking de_____e *n.* a piece of equipment, tool, or technology that serves a particular purpose or function, often mechanical or electronic
162. a glass 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
163. di_____d old beliefs *v.* to throw something away or get rid of something that you no longer wanted or need
164. appeared on_____e *adv.* onto or on a stage in a theater; in front of an audience
165. chemical re_____on *n.* a response that reveals a person's feelings or attitude; (in chemistry) a process in which one or more substances are changed into others
166. app_____te the value *v.* to value and acknowledge the worth of someone or something; to be grateful for something or someone
167. inf_____te the bloodstream *v.* to enter or penetrate a group, organization, or place covertly or secretly, usually with a specific purpose or goal in mind; to spread or diffuse through something gradually or subtly

ANSWERS: 159. discard, 160. experiment, 161. device, 162. tube, 163. discard, 164. onstage, 165. reaction, 166. appreciate, 167. infiltrate

168. the g_p between ideal and reality *n.* a conspicuous disparity or difference separates something such as a figure, people, their opinions, situation, etc.
169. k__t my eyebrows *v.* to make a garment or fabric by interlocking loops of yarn with needles or a machine
170. job ro_____on *n.* the action or process of moving in a circle around an axis or center
171. distance g_p *n.* a conspicuous disparity or difference separates something such as a figure, people, their opinions, situation, etc.
172. re_____y available *adv.* easily or willingly; without hesitation or difficulty; quickly or promptly
173. 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
174. im_____t into the uterus *v.* to insert or fix an artificial device in a person's body; to put an idea, attitude, etc., firmly in the mind
175. development of the ne_____s system *adj.* worried and anxious about something; relating to the nerves
176. vol_____ic analysis *adj.* relating to or measured by volume, which refers to the amount of space occupied by an object or substance
177. the steel sk_____on of a building *n.* the structure of bones in a human or animal body, or a framework of bones or other material that supports a plant
178. an official rep_____ive *n.* someone who speaks or acts officially on behalf of another person or group of people

ANSWERS: 168. gap, 169. knit, 170. rotation, 171. gap, 172. readily, 173. tube, 174. implant, 175. nervous, 176. volumetric, 177. skeleton, 178. representative

179. learn new co_____ts *n.* an idea or principle associated with something abstract
180. 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
181. bio_____als industry *n.* a substance, usually synthetic, that is used for medical or veterinary purposes and is designed to mimic or replace biological tissues
182. c__t's practices *n.* a small religious group, especially one that is not part of a larger religion and that is regarded as outside the norm; followers of an exclusive system of beliefs and practices
183. par_____ma tissue *n.* a type of tissue found in plants and animals, consisting of unspecialized cells that are the foundation of the organ or structure in which they are found, performing various functions such as storage, photosynthesis, and support
184. walk ba_____rd *adv.* at, to, or toward the direction or place that is behind or rear
185. gr__t surgery *n.* a transplanted portion of tissue or skin, often taken from one part of the body and used to repair or replace damaged or missing tissue in another part; a corrupt or illegal means of acquiring wealth or power through illicit or unethical methods

ANSWERS: 179. concept, 180. valve, 181. biomaterial, 182. cult, 183. parenchyma, 184. backward, 185. graft

186. di_____e control *n.* a disorder or illness that affects the body or mind, often characterized by specific symptoms or abnormal functioning of organs or systems
187. 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
188. arm wr_____ng *n.* a sport in which two contestants grapple and try to throw each other to the ground
189. la__r of paint *n.* a sheet, quantity, or thickness of the material, typically one of several, covering a surface or body; a level or part within a system or set of ideas
190. pr_____s innocence *v.* to declare openly, often publicly or formally, that one has a particular skill, belief, or feeling; to admit or affirm
191. financial cr____s *n.* a time of great disagreement, confusion, or danger when problems must be resolved or critical decisions must be taken
192. com_____te well with my advisor *v.* to share or exchange information with others by speaking, writing, moving your body, or using other signals
193. a breach of pr_____ge *n.* a special right or advantage that only one person or group of people has, usually because they are rich and powerful in a society

ANSWERS: 186. disease, 187. surgery, 188. wrestling, 189. layer, 190. profess, 191. crisis, 192. communicate, 193. privilege

194. electronic de___e *n.* a piece of equipment, tool, or technology that serves a particular purpose or function, often mechanical or electronic
195. a con_____ng victory *adj.* able to make someone believe that something is true
196. the s__m of a matchstick *n.* the central part of something from which other parts can develop or grow; the part of a word common to all its inflected variants; (verb) to grow out of, have roots in, or originate in
197. s__n a top *v.* to cause something to rotate rapidly; to cause someone to feel dizzy or disoriented
198. re_____y accessible *adv.* easily or willingly; without hesitation or difficulty; quickly or promptly
199. rec_____ion aid *n.* the process of rebuilding or repairing something that has been damaged or destroyed or of restoring something to its original condition
200. bl___e with sleeves *n.* a loose-fitting upper garment for women, typically having a collar, buttons, and sleeves
201. po_____e cost *n.* the cost or fee paid for sending a letter or package through the mail or postal service; the stamps or labels affixed to a mail item to indicate that the required postage has been paid
202. dem_____te mastery *v.* to display something or give an exhibition to an interested audience

ANSWERS: 194. device, 195. convincing, 196. stem, 197. spin, 198. readily, 199. reconstruction, 200. blouse, 201. postage, 202. demonstrate

203. the crosswise di_____on *n.* a measurable extent of a particular kind, such as width, height, or length
204. ad_____e a cooperative relationship *v.* to go or move forward; to develop in a positive way
205. cl_____al surgery *adj.* of or relating to the examination and treatment of patients rather than theoretical or laboratory studies
206. ob____n a license *v.* to get something, especially by making a great effort
207. pr_____s law *v.* to declare openly, often publicly or formally, that one has a particular skill, belief, or feeling; to admit or affirm
208. an insect sp__y *n.* a fine mist of liquid that is dispersed into the air; flower arrangement consisting of a single branch or shoot bearing flowers and foliage
209. en_____er shortage *n.* a person whose job is designing, building, or maintaining something such as machines, structures, or software
210. rapidly pe_____e the organs *v.* to saturate or supply with a fluid or substance, especially to supply oxygenated blood to tissue or organs, often through a network of blood vessels
211. s__n thread out of cotton *v.* to cause something to rotate rapidly; to cause someone to feel dizzy or disoriented
212. medical l_b *n.* a workplace for the conduct of scientific research; a laboratory

ANSWERS: 203. dimension, 204. advance, 205. clinical, 206. obtain, 207. profess, 208. spray, 209. engineer, 210. perfuse, 211. spin, 212. lab

213. fl____d printing *n.* a type of truck or trailer with an open, flat platform for carrying cargo or equipment; a type of scanner or printer that uses a flat, stationary surface to capture or print images
214. re____e one word with another *v.* to take the place of something
215. my friend's cha_____tic laugh *n.* a typical feature or quality that can identify, tell apart, or describe something or somebody
216. s__n the face of the man *v.* to examine something hastily, with the eyes or with a machine, to get information
217. antibacterial g_l *n.* a semi-solid substance, often transparent or translucent, that is used in various products from personal care to food to medicine, and which typically consists of a gelling agent that thickens the liquid
218. fa____y accurate *adv.* to a certain extent or degree; without favoring one party in an evenhanded manner
219. mi_____le experience *adj.* very unhappy, uncomfortable, or unpleasant; causing great distress or suffering
220. app_____te her feedback *v.* to value and acknowledge the worth of someone or something; to be grateful for something or someone
221. te__e wool *v.* to make fun of someone or make jokes about them, either in a playful way or to upset them; to separate the fibers of something; to ruffle a person's or animal's hair by combing

ANSWERS: 213. flatbed, 214. replace, 215. characteristic, 216. scan, 217. gel, 218. fairly, 219. miserable, 220. appreciate, 221. tease

222. 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
223. re_____e a phone *v.* to take the place of something
224. pr_____ve a country's heritage *v.* to keep or maintain a particular quality, feature, etc., especially to prevent it from decaying, being damaged, or being destroyed
225. 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
226. the ca_____n of an opposing team *n.* the leader of a group of people, especially who is in charge of a ship or aircraft
227. X-__y scan *n.* a type of electromagnetic radiation that has a wavelength shorter than visible light allowing hidden objects such as bones and organs inside the body to be photographed
228. lack con_____cy *n.* the quality of acting or being done in the same way over time; the quality of not containing any logical contradictions
229. me_____al chemistry *adj.* of or relating to the treatment or cure of disease
230. de___e centigrade *n.* a unit of measurement for angles, temperature, or level of proficiency or achievement; a rank or level of academic or professional attainment

ANSWERS: 222. oxygen, 223. replace, 224. preserve, 225. develop, 226. captain, 227. X-ray, 228. consistency, 229. medicinal, 230. degree

231. va____ar disease *adj.* of or relating to blood vessels, especially the veins and arteries that carry blood throughout the body
232. industry-sp____ic regulations *adj.* clearly defined or particular to a certain thing or situation; distinct, explicit, and precise
233. so__d employment measures *adj.* hard or firm; characterized by good substantial quality
234. or__n bleeding *n.* a part of the body of an animal or plant that has a particular purpose and performs a specific job
235. get ne____s *adj.* worried and anxious about something; relating to the nerves
236. co____n cloth *n.* a plant that is grown in warm countries and bears bolls containing seeds with soft and long hairs that are made into textile fiber and thread for sewing
237. su____e a plane crash *v.* to live or exist despite a dangerous event or period
238. sh____s barrier *n.* the quality or state of being worried or embarrassed about meeting and speaking to other people
239. co____t car *n.* an idea or principle associated with something abstract
240. go to the sc____ld *n.* a temporary platform or structure used to support workers and materials during construction or maintenance work
241. trigger a re____on *n.* a response that reveals a person's feelings or attitude; (in chemistry) a process in which one or more substances are changed into others

ANSWERS: 231. vascular, 232. specific, 233. solid, 234. organ, 235. nervous, 236. cotton, 237. survive, 238. shyness, 239. concept, 240. scaffold, 241. reaction

242. the most am_____g feeling *adj.* extremely surprising, especially in a way that you like or admire
243. an_____e a chemical compound *v.* to think about in-depth and evaluate to discover essential features or meaning
244. we__e a story *v.* to make cloth, a carpet, a basket, etc., by repeatedly crossing a single thread through two sets of long threads at a right angle to them
245. exp_____tal data *adj.* relating to or based on new ideas, forms, methods, etc. that have not been tried before, usually to find out what effect they have
246. g_l nail polish *n.* a semi-solid substance, often transparent or translucent, that is used in various products from personal care to food to medicine, and which typically consists of a gelling agent that thickens the liquid
247. a lacy bl___e *n.* a loose-fitting upper garment for women, typically having a collar, buttons, and sleeves
248. blood ve___ls *n.* a ship or large boat
249. ho__r our ancestors *n.* high regard or great respect for someone; the quality of having and doing based on a keen sense of morality; (verb) to show respect towards someone
250. c__t members *n.* a small religious group, especially one that is not part of a larger religion and that is regarded as outside the norm; followers of an exclusive system of beliefs and practices

ANSWERS: 242. amazing, 243. analyze, 244. weave, 245. experimental, 246. gel, 247. blouse, 248. vessel, 249. honor, 250. cult

251. a m__s of molten rock *n.* a large amount of a substance with no definite shape or form; a large number of people or things grouped or crowded together
252. tie c__p *n.* a small metal or plastic device used for holding an object or objects together or in place; a short part of electronic media, either an audio clip or video clip
253. cultural n__m *n.* something that is regarded as usual, typical, or standard
254. so_____re in high school *n.* a student in their second year of college or high school; used more broadly to refer to someone who is experienced in a particular activity or field
255. 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
256. ca_____n of industry *n.* the leader of a group of people, especially who is in charge of a ship or aircraft
257. a reg_____te sinner *v.* to improve or renew an area, institution, system, etc., especially by making it more active or successful

ANSWERS: 251. mass, 252. clip, 253. norm, 254. sophomore, 255. valve, 256. captain, 257. regenerate

Session 3: Fill in the Blanks

1. The golfer recorded an _____ distance.
adj. extremely surprising, especially in a way that you like or admire
2. I _____ made it to the meeting on time, rushing from another appointment across town.
adv. just enough; hardly; with great difficulty or effort
3. The doctor diagnosed him with a rare _____ that had no known cure.
n. a disorder or illness that affects the body or mind, often characterized by specific symptoms or abnormal functioning of organs or systems
4. I need to upgrade my _____ computer since it's become quite slow.
n. a flat working surface or table that is usually placed on top of a desk, typically used for a computer or other work-related activities
5. The _____ leader promised his followers that they would achieve enlightenment if they followed his teachings.
n. a small religious group, especially one that is not part of a larger religion and that is regarded as outside the norm; followers of an exclusive system of beliefs and practices
6. The doctor ordered an _____ to see if there was any damage to the bones.
n. a type of electromagnetic radiation that has a wavelength shorter than visible light allowing hidden objects such as bones and organs inside the body to be photographed
7. The _____ of frost on the ground was so thick it was difficult to walk on.
n. a sheet, quantity, or thickness of the material, typically one of several, covering a surface or body; a level or part within a system or set of ideas

ANSWERS: 1. amazing, 2. barely, 3. disease, 4. desktop, 5. cult, 6. X-ray, 7. layer

8. There was a _____ of face masks due to the high demand during the pandemic.
- n.* a deficiency or lack of something, typically referring to a situation where there is an insufficient supply or quantity of a resource or product to meet the demand or need
9. The government is determined to _____ sharp inflation.
- v.* to try to deal with a complex problem or situation
10. She received special _____ training at the hospital.
- adj.* of or relating to the examination and treatment of patients rather than theoretical or laboratory studies
11. They worked hard to _____ the nature of their native lands.
- v.* to keep or maintain a particular quality, feature, etc., especially to prevent it from decaying, being damaged, or being destroyed
12. The _____ of water is called ice.
- adj.* hard or firm; characterized by good substantial quality
13. There's no _____ in his arguments.
- n.* the quality of acting or being done in the same way over time; the quality of not containing any logical contradictions
14. Drinking too much coffee can irritate the _____ and cause frequent urination.
- n.* a hollow, flexible sac-like organ in the body that stores and expels fluids, such as urine or bile
15. The investigation _____ several government agencies and is expected to take several months.
- v.* to include or affect someone or something as a necessary part of something else

ANSWERS: 8. shortage, 9. tackle, 10. clinical, 11. preserve, 12. solid-state, 13. consistency, 14. bladder, 15. involves

16. The hotel's _____ was out of order, so we had to take the stairs to our room on the fifth floor.
- n.* a mechanical device used for vertical transportation, typically in multi-story buildings, consisting of a compartmentalized platform that moves between floors
17. The _____ arrived in port the following day.
- n.* a ship or large boat
18. The university student was now a _____ having completed their first year of studies.
- n.* a student in their second year of college or high school; used more broadly to refer to someone who is experienced in a particular activity or field
19. The _____ will repair my telephone tomorrow morning.
- n.* a person whose job is designing, building, or maintaining something such as machines, structures, or software
20. Scientists studied the ancient _____ to learn more about the creature's anatomy.
- n.* the structure of bones in a human or animal body, or a framework of bones or other material that supports a plant
21. The product is still in the _____ stage.
- adj.* relating to or based on new ideas, forms, methods, etc. that have not been tried before, usually to find out what effect they have
22. 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

ANSWERS: 16. elevator, 17. vessel, 18. sophomore, 19. engineer, 20. skeleton, 21. experimental, 22. liver

23. If necessary, you can _____ the front seats forward.

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

24. The construction workers used a _____ truck to transport the heavy materials.

n. a type of truck or trailer with an open, flat platform for carrying cargo or equipment; a type of scanner or printer that uses a flat, stationary surface to capture or print images

25. Many people are working together to close the gender _____.

n. a conspicuous disparity or difference separates something such as a figure, people, their opinions, situation, etc.

26. The surgeon used a special _____ to close the wound.

n. a stitch or series of stitches used to hold together the edges of a wound or incision so that it can heal; a line of junction between two bones, particularly in the skull of an animal or human

27. 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

28. 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

29. He performed his magic trick _____ leaving the audience in awe.

adv. onto or on a stage in a theater; in front of an audience

30. She felt _____ after her dog passed away.

adj. very unhappy, uncomfortable, or unpleasant; causing great distress or suffering

ANSWERS: 23. slide, 24. flatbed, 25. gap, 26. suture, 27. kidney, 28. injury, 29. onstage, 30. miserable

31. 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
32. She received her _____ in psychology from the university.
- n.* a unit of measurement for angles, temperature, or level of proficiency or achievement; a rank or level of academic or professional attainment
33. 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
34. The grandmother _____ a warm sweater for her grandchild.
- v.* to make a garment or fabric by interlocking loops of yarn with needles or a machine
35. The endocrine function of the _____ involves the secretion of hormones such as insulin.
- n.* a glandular organ in the digestive system that produces several important hormones, including insulin and glucagon, as well as digestive enzymes that help break down food in the small intestine
36. In the Middle Ages, the right to hunt in the wild was the _____ of royalty and nobility.
- n.* a special right or advantage that only one person or group of people has, usually because they are rich and powerful in a society
37. The teacher attempted to _____ the root cause of our mistake.
- v.* to think about in-depth and evaluate to discover essential features or meaning

ANSWERS: 31. device, 32. degree, 33. develop, 34. knit, 35. pancreas, 36. privilege, 37. analyze

38. 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
39. The company decided to take a _____ and reconvene the meeting later that day.
- n.* a period of time when the members of a parliament, committee, etc., are adjourned; a short break in a trial in court
40. The Chinese word for _____ comprises two characters, one for danger and the other for opportunity.
- n.* a time of great disagreement, confusion, or danger when problems must be resolved or critical decisions must be taken
41. The temperature reached a peak of 35 degrees _____.
- n.* a system of temperature measurement in which the freezing point of water is 0 degrees and the boiling point of water is 100 degrees; also known as the Celsius scale
42. The _____ properties of this herb have been known to help with various ailments.
- adj.* of or relating to the treatment or cure of disease
43. There was a chemical _____ of the lime with the groundwater.
- n.* a response that reveals a person's feelings or attitude; (in chemistry) a process in which one or more substances are changed into others
44. I need to buy more _____ stamps for my international mail.
- n.* the cost or fee paid for sending a letter or package through the mail or postal service; the stamps or labels affixed to a mail item to indicate that the required postage has been paid

ANSWERS: 38. communicate, 39. recess, 40. crisis, 41. centigrade, 42. medicinal, 43. reaction, 44. postage

45. You _____ a bill in the change machine, and the coins pop out.
- v.* to put something, usually a sharp object, into something; to restrict yourself to doing or using one certain thing and not change; (noun) a thin piece of wood or other material
46. His _____ showed highly positive results.
- n.* the scientific test conducted to observe what happens and gain new knowledge
47. The doctor recommended using a nitroglycerin spray to _____ the medication into the patient's system quickly.
- v.* to saturate or supply with a fluid or substance, especially to supply oxygenated blood to tissue or organs, often through a network of blood vessels
48. He _____ his love for her every day, showering her with gifts and affection.
- v.* to declare openly, often publicly or formally, that one has a particular skill, belief, or feeling; to admit or affirm
49. How can you _____ that the earth is a sphere?
- v.* to display something or give an exhibition to an interested audience
50. He was so _____ about his beliefs that he refused to listen to any other points of view.
- adj.* refusing to change one's mind or behavior despite persuasion or evidence to the contrary; unyielding; difficult to move or change
51. I used an optical _____ to observe the small organisms in the water sample.
- n.* an instrument used to see objects or substances that are too small to be seen with the naked eye

ANSWERS: 45. stick, 46. experiments, 47. perfuse, 48. professes, 49. demonstrate, 50. stubborn, 51. microscope

52. He deals _____ with his employees.

adv. to a certain extent or degree; without favoring one party in an evenhanded manner

53. She falls over _____ when she sees her mother-in-law.

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

54. The environmental group handed out _____ to raise awareness of the dangers of deforestation.

n. a small, thin piece of paper or other material, often used for advertising or informational purposes; a small branch or part of a leaf

55. The doctor will _____ a pacemaker to regulate his heart rate.

v. to insert or fix an artificial device in a person's body; to put an idea, attitude, etc., firmly in the mind

56. The _____ cells in the plant tissue are responsible for photosynthesis.

n. a type of tissue found in plants and animals, consisting of unspecialized cells that are the foundation of the organ or structure in which they are found, performing various functions such as storage, photosynthesis, and support

57. 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

58. The _____ of people who do not own property is politically impotent.

n. a large amount of a substance with no definite shape or form; a large number of people or things grouped or crowded together

ANSWERS: 52. fairly, 53. backward, 54. leaflets, 55. implant, 56. parenchyma, 57. patient's, 58. mass

59. Scientific knowledge will _____ significantly with the power of AI.
- v.* to go or move forward; to develop in a positive way
60. 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
61. I must use hair ____ to style my hair for the job interview.
- n.* a semi-solid substance, often transparent or translucent, that is used in various products from personal care to food to medicine, and which typically consists of a gelling agent that thickens the liquid
62. The artist used a _____ paint can to create a graffiti mural on the wall.
- n.* a fine mist of liquid that is dispersed into the air; flower arrangement consisting of a single branch or shoot bearing flowers and foliage
63. We would _____ an early reply.
- v.* to value and acknowledge the worth of someone or something; to be grateful for something or someone
64. This region has many _____ offering higher education.
- n.* an organization that has a specific purpose, particularly one dealing with science, education, or a particular profession; (verb) to initiate, introduce, or establish something
65. He finally overcame his _____.
- n.* the quality or state of being worried or embarrassed about meeting and speaking to other people

ANSWERS: 59. advance, 60. surgery, 61. gel, 62. spray, 63. appreciate, 64. institutes, 65. shyness

66. The rain and thunder are _____ today.

adj. stupid or not sensible; very angry

67. 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

68. Where can I _____ the application form?

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

69. I claim on my _____ that it is true.

n. high regard or great respect for someone; the quality of having and doing based on a keen sense of morality; (verb) to show respect towards someone

70. The _____ ordered the troops to fire.

n. the leader of a group of people, especially who is in charge of a ship or aircraft

71. The user manual can _____ find the information you're looking for.

adv. easily or willingly; without hesitation or difficulty; quickly or promptly

72. Despite his many achievements, he remained _____ and down-to-earth.

adj. having or showing a humble estimate of one's merits, importance, etc.; free from vanity, egotism, boastfulness, or great pretensions

73. 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

ANSWERS: 66. crazy, 67. tube, 68. obtain, 69. honor, 70. captain, 71. readily, 72. modest, 73. specific

74. I asked my boss for _____ to leave early for a doctor's appointment.
- n.* consent or authorization given by someone in authority or by the owner of something, allowing someone to do something or allowing something to occur
75. Our plan includes a comprehensive marketing _____.
- n.* a detailed plan of action designed to achieve a long-term or overall goal.
76. She was wearing a black _____.
- n.* a piece of clothing worn on the hand and wrist for protection against cold, dirt, etc., with separate parts for each finger
77. This ad is intended to _____ a competing product.
- v.* to make fun of someone or make jokes about them, either in a playful way or to upset them; to separate the fibers of something; to ruffle a person's or animal's hair by combing
78. The new CEO's primary mission is to _____ the company on the verge of bankruptcy.
- v.* to improve or renew an area, institution, system, etc., especially by making it more active or successful
79. The Prime Minister will pay a courtesy visit to the Nobel laureate's _____.
- n.* a workplace for the conduct of scientific research; a laboratory
80. Jockey's superior _____ brought him victory.
- n.* a particular way or art of doing something that needs skill
81. Bananas have their _____ taste and odor.
- n.* a typical feature or quality that can identify, tell apart, or describe something or somebody

ANSWERS: 74. permission, 75. strategy, 76. glove, 77. tease, 78. regenerate, 79. lab, 80. technique, 81. characteristic

82. 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
83. The _____ analysis revealed significant differences in body size among the different species of birds.
- adj.* relating to the measurement and analysis of the physical shape and structure of organisms, objects, or systems
84. The government announced a plan for the _____ of the city's infrastructure.
- n.* the process of rebuilding or repairing something that has been damaged or destroyed or of restoring something to its original condition
85. The researcher separated the nervous _____ for microscopic examinations.
- n.* an ensemble of similar cells of the animal or plant that together carry out a specific function
86. He had always been interested in sumo _____ and decided to try it.
- n.* a sport in which two contestants grapple and try to throw each other to the ground
87. The construction workers set up the _____ to reach the top of the building.
- n.* a temporary platform or structure used to support workers and materials during construction or maintenance work
88. 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

ANSWERS: 82. organ, 83. morphometric, 84. reconstruction, 85. tissue, 86. wrestling, 87. scaffold, 88. oxygen

89. The new _____ used in implants are more durable and less likely to cause an immune response.
- n.* a substance, usually synthetic, that is used for medical or veterinary purposes and is designed to mimic or replace biological tissues
90. One such rapidly growing _____ is quantum cryptography.
- n.* an idea or principle associated with something abstract
91. A rose has thorns on its _____.
- n.* the central part of something from which other parts can develop or grow; the part of a word common to all its inflected variants; (verb) to grow out of, have roots in, or originate in
92. In just four years, the _____ has doubled.
- n.* the total number of people in a country, region, or location
93. These birds can only _____ in temperate climates.
- v.* to live or exist despite a dangerous event or period
94. The pediatrician recommended specialized care for the baby diagnosed with spina _____.
- n.* a congenital condition where the spinal column does not fully close during fetal development, resulting in a defect in the spinal cord or nerves
95. The tornado is _____ across the countryside, destroying everything in its path.
- v.* to cause something to rotate rapidly; to cause someone to feel dizzy or disoriented
96. The 3D printer uses _____ calculations to determine the material needed for each print job.
- adj.* relating to or measured by volume, which refers to the amount of space occupied by an object or substance

ANSWERS: 89. biomaterials, 90. concept, 91. stem, 92. population, 93. survive, 94. bifida, 95. spinning, 96. volumetric

97. The patient's skin _____ procedure was successful, and he was released from the hospital.

- n.* a transplanted portion of tissue or skin, often taken from one part of the body and used to repair or replace damaged or missing tissue in another part; a corrupt or illegal means of acquiring wealth or power through illicit or unethical methods

98. The printer used _____ technology for high-quality prints.

- adj.* of or relating to a type of printing technology commonly used in printers and other imaging devices that is a method of producing hard copies of digital images or documents by propelling tiny droplets of ink onto paper or other printable surfaces

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

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

100. He suffers from _____ breakdowns.

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

101. The _____ person's family was notified of their passing.

- adj.* no longer alive; dead

102. Eventually, the new design will _____ all older models.

- v.* to take the place of something

103. The doctor detected a blockage in the patient's _____ system.

- adj.* of or relating to blood vessels, especially the veins and arteries that carry blood throughout the body

ANSWERS: 97. graft, 98. ink-jet, 99. devise, 100. nervous, 101. deceased, 102. replace, 103. vascular

104. The girl _____ a garland for her friend.

- v.* to make cloth, a carpet, a basket, etc., by repeatedly crossing a single thread through two sets of long threads at a right angle to them

105. The drought _____ the prices of grain globally.

- v.* to raise something to a higher position or level; to pick up something or somebody and move them to a different position

106. She had lived through two world wars in her _____.

- n.* the duration of someone's life or something's existence;

107. We must consume dietary _____ to maintain good health.

- n.* thread or filament used to make a vegetable tissue, mineral material, or textile

108. Marketing strategies are growing more _____.

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

109. I found her assertion pretty _____.

- adj.* able to make someone believe that something is true

110. The spy was able to _____ the enemy's headquarters undetected.

- v.* to enter or penetrate a group, organization, or place covertly or secretly, usually with a specific purpose or goal in mind; to spread or diffuse through something gradually or subtly

111. The media _____ had special passes.

- n.* someone who speaks or acts officially on behalf of another person or group of people

ANSWERS: 104. weaves, 105. lifted, 106. lifetime, 107. fiber, 108. sophisticated, 109. convincing, 110. infiltrate, 111. representatives

112. The price of raw _____ continued to rise.

- n.* a plant that is grown in warm countries and bears bolls containing seeds with soft and long hairs that are made into textile fiber and thread for sewing

113. 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

114. 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

115. He tried to _____ the seedling into a larger pot.

- v.* to move or transfer something from one place or person to another; to take living tissue or an organ from one person, animal, part of the body, etc. and put it into or onto another

116. The systems we have developed has accepted as industry _____.

- n.* something that is regarded as usual, typical, or standard

117. Overall _____ are approximately 400x200mm.

- n.* a measurable extent of a particular kind, such as width, height, or length

118. The younger _____ has different values and beliefs than the older one.

- n.* all the people born and living at about the same time, regarded collectively; the production of heat or electricity

119. The _____ modified crops were resistant to pests and required less water.

- adv.* in a way that relates to or is produced by genes (= the units in the cells of a living thing received by an animal or plant from its parents) or heredity

ANSWERS: 112. cotton, 113. valve, 114. structure, 115. transplant, 116. norms, 117. dimensions, 118. generation, 119. genetically

120. She stood on the podium and _____ an audience.

v. to examine something hastily, with the eyes or with a machine, to get information

121. Regular _____ treatments are necessary for those with kidney failure.

n. a medical treatment that removes waste and excess fluids from the blood of a patient with kidney failure

122. He fastens some sheets of paper with a _____.

n. a small metal or plastic device used for holding an object or objects together or in place; a short part of electronic media, either an audio clip or video clip

123. He _____ the old torn shirt and bought a new one.

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

124. He planted the _____ in the soil and waited for it to sprout.

n. a small, hard, often round, a reproductive structure that contains a plant's genetic material and is capable of growing into a new plant

125. The ballerina's _____ movements left the audience mesmerized.

adj. flexible and easy to bend or move; gracefully agile; adaptable or responsive to change or new ideas

126. The advanced math problem was _____ but the student was determined to solve it.

adj. difficult, demanding, or requiring a high degree of skill or effort; presenting a difficult problem or obstacle

127. The _____ of the Earth causes day and night.

n. the action or process of moving in a circle around an axis or center

ANSWERS: 120. scanned, 121. dialysis, 122. clip, 123. discarded, 124. seed, 125. supple, 126. challenging, 127. rotation

128. The _____ properties of stem cells make them a promising area of research.

adj. tending to regrow or restore lost or injured tissue

129. She paired her denim jeans with a delicate floral _____.

n. a loose-fitting upper garment for women, typically having a collar, buttons, and sleeves

ANSWERS: 128. regenerative, 129. blouse