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Oded Shoseyov: How we're harnessing nature's hidden superpowers | TED Talk

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

All Words

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Session 1: Word List

modern

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

synonym: contemporary, stylish, current

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

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

suffer

v. to experience pain, distress, or hardship; to undergo or endure something painful or unpleasant

synonym: endure, undergo, tolerate

(1) **suffer** a setback, (2) **suffer** bad grades

The older man **suffers** from arthritis and finds it difficult to move around.

mechanical

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

synonym: machinelike, automated, automatic

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

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

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.

severe

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

synonym : harsh, relentless, powerful

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

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

earthquake

n. a sudden and violent shaking of the ground caused by the movement of rock beneath the earth's surface

synonym : seismic activity, tremor, temblor

(1) an **earthquake** zone, (2) an **earthquake-proof**

The violent **earthquake** caused widespread damage and injuries throughout the region.

critic

n. someone who expresses opinions about the quality of books, music, etc.

synonym : pundit, analyst, attacker

(1) art **critic**, (2) severe **critic**

Advocates for legal reform hear less harsh words from their **critics**.

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.

possession

n. the state or fact of owning or having something

synonym : ownership, holding, control

(1) **possession** of the evidence, (2) a territorial **possession**

That painting is my **possession**, and I inherited it from my grandmother.

sequoia

n. a huge evergreen tree that is native to California and has a straight trunk and a narrow, conical crown, which is a type of redwood

synonym : redwood

(1) a giant **sequoia**, (2) **Sequoia** National Park

The **sequoia** tree is known for its massive size and long lifespan.

climate

n. the weather in a particular location averaged over some long period

synonym : atmosphere, weather, environment

(1) a cold **climate**, (2) effects of **climate** change

Climate and weather have an impact on every part of our lifestyles.

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.

resolution

n. a firm decision or determination to do or not do something; the action of solving a problem, dispute, or conflict; the quality of being resolved or determined; the clarity and sharpness of an image or display

synonym : determination, decision, settlement

(1) **resolution** of a conflict, (2) display **resolution**

He made a New Year's **resolution** to exercise more and eat healthier.

electron

n. a tiny particle with the negative electrical charge

synonym : negatron

(1) flow of **electrons**, (2) beam of **electrons**

The outermost **electron** shell determines the chemical

properties of an atom.

microscopy

n. the scientific study of small structures or substances using microscopes, including the anatomical, physiological, and pathological aspects of cells, tissues, and organs

synonym: microanalysis, magnification

(1) clinical **microscopy**, (2) electron **microscopy**

The scientist used a **microscopy** technique to study the cells at a microscopic level.

surprisingly

adv. in a way that causes amazement or wonder

synonym: exceptionally, notably, unusually

(1) **surprisingly** advanced culture, (2) have **surprisingly** little effect

The exam was **surprisingly** tricky for everyone.

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.

crystalline

adj. resembling crystal in clarity, transparency, or brilliance; having a highly ordered and symmetrical molecular structure

synonym: crystallized, clear, transparent

(1) **crystalline** structure, (2) **crystalline** water

The geologist found a beautiful specimen of a **crystalline** mineral.

cellulose

n. a complex carbohydrate that is the main structural component of plant cell walls and fibers; a substance used to make paper, textiles, and other materials

synonym: fiber, paper, wood pulp

(1) **cellulose** acetate, (2) **cellulose** insulation

The **cellulose** content in fruits and vegetables contributes to

their dietary fiber.

basis

n. the most important facts, ideas, or events from which something is developed; the way how things are organized or arranged

synonym: foundation, base, ground

(1) on an equal **basis**, (2) **basis** for calculation

This evidence will form the **basis** for our discussion.

steel

n. a strong metal alloy made up of iron with typically a few tenths of a percent of carbon used for making things that need a strong structure

synonym: iron

(1) magnetic **steel**, (2) **steel** beam

This bridge is the third largest **steel** bridge in the world.

industrious

adj. hardworking, diligent, and persistent in effort

synonym: diligent, hardworking, assiduous

(1) **industrious** worker, (2) **industrious** student

He was known to be very **industrious** and would often work late into the night.

commerce

n. the activity of buying and selling things, especially on a large scale

synonym: trade, transaction, dealings

(1) interstate **commerce**, (2) the local chamber of **commerce**

This company has invested heavily in Internet **commerce**.

decide

v. to make up someone's mind about something; to come to a conclusion or judgment after considering options

synonym: choose, determine, settle

(1) **decide** a question, (2) **decide** on a course of action

She couldn't **decide** whether to order the pizza or the pasta for dinner.

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.

industrial

adj. of or relating to or resulting from industry

synonym: manufacturing, mechanical

(1) beginning of the **industrial** revolution, (2) **industrial** alcohol

Industrial design has become more focused on human nature aspect than ever before.

process

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

synonym: procedure, method, system

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

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

sludge

n. a thick, wet mixture of liquid and solid matter, typically one that is unpleasant or harmful

synonym: muck, ooze, mire

(1) **sludge** treatment, (2) **sludge** removal

The **sludge** at the bottom of the river was a toxic hazard for marine life.

equivalent

n. having the same value, quality, meaning, purpose, etc.

synonym: equal, counterpart, match

(1) **equivalent** amounts, (2) **equivalent** in meaning

The European Central Bank is Europe's **equivalent** of the Federal Reserve.

environment

n. the natural world such as air, water, and land in which humans, animals, and plants live

synonym: atmosphere, surroundings, climate

(1) **environment** affairs, (2) chaotic **environment**

Every human is responsible for taking care of the Earth's **environment**.

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.

strength

n. the quality or state of being physically, or sometimes mentally, strong

synonym: resilience, power, muscles

(1) **strength** of the economy, (2) muscular **strength**

Health and **strength** are, above all, gold.

dramatically

adv. in a very impressive manner

synonym: greatly, noticeably, suddenly

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

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

fabric

n. cloth or other material produced by weaving wool, cotton, silk, etc., used for making clothes, covering furniture, etc.

synonym: cloth, material, goods

(1) a hand-loomed **fabric**, (2) **fabric** of creation

These synthetic **fabrics** are used in military vests because of their excellent abrasion resistance.

medical

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

synonym : health, disease, treatment

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

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

standing

adj. existing or remaining upright; having a vertical position;
(noun) social, financial, or professional status or reputation

synonym : upright, vertical, (noun) position

(1) **standing** water, (2) his social **standing**

The **standing** concert was packed with fans.

shelter

n. a structure built to protect from poor weather, danger, or attack; (verb) to protect or shield from harm or adversity, particularly relating to environmental conditions or danger

synonym : refuge, hideout, lair

(1) rainproof **shelter**, (2) anti-air raid **shelter**

They need food and **shelter**.

showcase

n. a display or exhibition of something, typically as a way of promoting it

synonym : exhibit, display, presentation

(1) museum **showcase**, (2) **showcase** of innovation

The museum's new exhibition is a **showcase** of contemporary art.

architecture

n. the art and science of designing and constructing buildings

synonym : design, structure, layout

(1) **architecture** design, (2) classic **architecture**

The city is known for its impressive **architecture** and beautiful old buildings.

kingdom

n. the country ruled by a king or queen

synonym : empire, realm, land

(1) establish his **kingdom**, (2) a subordinate **kingdom**
By remaining neutral, this **kingdom** continued to exist.

insect

n. any small creature that has six legs and a body divided into three sections

(1) **insect** antenna, (2) **insect** biology

These **insects** are more prevalent above a certain latitude.

flea

n. a small, agile, wingless, and parasitic insect that feeds on the blood of mammals and birds

synonym: pulex, siphonaptera, biter

(1) local **flea** market, (2) **flea** infestation

The **flea-borne** disease caused a severe outbreak in the city.

liberty

n. the state of being free within society from oppressive restrictions imposed by authority on one's way of life, behavior, or political views

synonym: freedom, autonomy, independence

(1) personal **liberty**, (2) **liberty** as a right

The founding fathers fought for the **liberty** of the American people.

statue

n. a sculpture of a person or animal, typically made of stone or metal, that is intended to represent the subject in a lifelike or symbolic way

synonym: sculpture, figurine, monument

(1) a beautiful **statue**, (2) the ancient Egyptian **statues**

The **statue** of the famous hero stood proudly in the town square.

resilin

n. a rubber-like protein found in insects and some other animals, known for its highly elastic properties, enabling it to act as a shock absorber in certain body parts or structures, such as wings or joints

synonym: resilient protein, elastic protein, rubber protein

(1) **resilin-based** biomaterials, (2) insect **resilin**

The elasticity of **resilin** allows insects like fleas to jump great

distances compared to their size.

protein

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

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

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

elastic

adj. flexible, resilient, or adaptable; (noun) a stretchy material or band that can be stretched and then returned to its original shape; something that is flexible and adaptable

synonym: stretchy, flexible, resilient

(1) **elastic** body, (2) **elastic** waistband

The skin of a snake is remarkably **elastic**, allowing it to slither through tight spaces.

rub

v. to move one's hand or an object over the surface of something with pressure

synonym: scrub, massage, stroke

(1) **rub** shoulders, (2) **rub** a glass window

She **rubbed** the sore spot on her leg to ease the pain.

stretch

v. to make or be capable of making anything longer or broader without hurting or breaking

synonym: lengthen, prolong, extend

(1) **stretch** along the coast, (2) **stretch** a story

Some herds have been observed to **stretch** hundreds of kilometers.

squish

v. to crush or press something so that it becomes flat or distorted

synonym: crush, smash, squeeze

(1) **squish** the ellipse, (2) **squish** a tomato

He **squished** the insect between his fingers to get rid of it.

release

v. to set free or allow to escape from confinement

synonym: free, let go, discharge

(1) **release** a prisoner, (2) **release** CO2 into the air

The animal rights group worked to **release** the dolphins back into the wild.

snap

v. to record on photographic film; to make a sudden, sharp sound; (noun) the act of catching an object with the hands

synonym: break, crack, fracture

(1) **snap** a whip, (2) **snap** judgment

She **snapped** a quick picture of the beautiful sunset before it disappeared.

jumpy

adj. nervous, jittery, or prone to sudden movements or reactions; characterized by irregular or uneven movement or motion

synonym: anxious, nervous, edgy

(1) **jumpy** cat, (2) **jumpy** behavior

The **jumpy** student was anxious during the exam and made several careless mistakes.

extract

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

synonym: excerpt, quote, distillation

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

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

clone

n. a plant or animal whose genetic information is identical to that of a parent organism from which it was created; an unauthorized copy or imitation

synonym: duplicate, imitation, reproduction

(1) **clone** embryo, (2) recombinant **clone**

He is like an exact **clone** of his brother.

combine

v. to join or merge to form a single thing or group
synonym: coalesce, cohere, blend

- (1) **combine** chemically with another substance,
(2) **combine** augmented reality

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

transparent

adj. easy to perceive, detect, or understand; (of a material or article) permitting light to pass through freely

synonym: translucent, evident, diaphanous

- (1) a **transparent** lie, (2) **transparent** crystal

The focus of these initiatives is to make the financial system more **transparent**.

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.

smartphone

n. a mobile phone that functions as a computer and connects to the Internet

- (1) **smartphone** app developer, (2) **smartphone** addict
Internet traffic volumes have increased significantly with the advent of **smartphones**.

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.

synthetic

adj. made by combining chemical substances as opposed to being naturally occurring

synonym: artificial, manufactured, fabricated

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

Synthetic diamonds play an essential role as machine tool blades.

glue

n. a sticky substance used for joining things together; a bonding agent made from animal or synthetic materials

synonym: adhesive, paste, gum

(1) **glue** stick, (2) epoxy **glue**

The carpenter applied **glue** to the cabinet joints before nailing them together.

screw

v. to turn something, such as a bolt, with a driver or wrench to tighten or loosen it; (noun) a cylindrical rod with a helical ridge used to fasten things together

synonym: tighten, fix, secure

(1) **screw** the cap, (2) a female **screw**

He had to **screw** the loose knob back onto the cabinet door.

surrounding

adj. that is near or around, or closely encircling something

synonym: circumferent, encircling, neighboring

(1) **surrounding** areas, (2) a fence **surrounding** a castle

The **surrounding** mountains make the city difficult to be invaded.

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.

fundamental

adj. forming an essential base or core from which everything else develops or is affected

synonym: basic, essential, entire

(1) **fundamental** education, (2) **fundamental** rights

Human behavior has **fundamental** characteristics.

assemble

v. to collect in one place as a single group

synonym: gather, congregate, collect

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

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

encode

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

synonym: transcribe, convert

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

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

biology

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

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

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

enzyme

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

synonym: catalyst, activator, accelerator

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

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

saccharide

n. a simple sugar or carbohydrate; any compound that can be hydrolyzed to yield sugars

synonym: sugar, carbohydrate, sweetener

(1) **saccharide** molecule, (2) complex **saccharide**

Cellulose is a structural **saccharide** found in the cell walls of plants.

fatty

adj. containing a lot of fat

synonym: greasy, oily

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

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

acid

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

synonym : sour

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

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

feat

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

synonym : achievement, accomplishment, exploit

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

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

recognize

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

synonym : acknowledge, identify, admit

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

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

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.

proliferate

v. to grow or increase rapidly in number; to reproduce or spread rapidly, especially in an uncontrolled manner

synonym : multiply, spread, propagate

(1) **proliferate** cells, (2) **proliferate** weeds

The number of COVID cases continued to **proliferate** in many countries worldwide.

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.

collagen

n. a fibrous protein that forms the connective tissues in animals, including skin, tendons, and bone; often used in cosmetic and medical treatments for its ability to add firmness and elasticity to skin or other tissues

synonym: gelatin, protein, tissue

(1) **collagen** supplement, (2) **collagen** production

Our natural **collagen** production decreases as we age, leading to wrinkles, sagging skin, and joint pain.

replacement

n. the act of replacing something with something else, especially that is newer or better; a person or thing that takes or can take the place of another

synonym: alternate, substitute, backup

(1) regular **replacement** of tires, (2) **replacement** cost

We demand his **replacement**.

admittedly

adv. used to acknowledge a fact or statement, often one that weakens or contradicts an argument or opinion; concededly

synonym: notably, honestly, truly

(1) **admittedly** true, (2) **admittedly** controversial

The book was **admittedly** difficult to follow but still worth reading.

dermis

n. the layer of skin beneath the epidermis that contains blood vessels, nerves, and connective tissue

synonym: skin layer, corium, cutis

(1) hair follicle **dermis**, (2) skin **dermis**

The **dermis** layer contains nerve endings, which enable us to feel sensations such as pressure and pain.

wrinkle

n. a small line or fold in something, especially fabric or the skin of the face; a minor difficulty

synonym: crinkle, fold, crumple

(1) a fine **wrinkle** on a fabric, (2) a facial **wrinkle**

This suit is made of **wrinkle-proof** material.

augment

v. to increase the size, extent, quantity, etc. of something by adding something to it

synonym: boost, increase, expand

(1) **augment** the reality, (2) **augment** immunity

Economic factors and monetary policy **augmented** inflation.

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**.

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.

cow

n. a domesticated mammal with characteristic features such as a hump, large udders, and curved horns that is raised for its milk or meat

synonym: bovine, cattle, kine

(1) **cow** herd, (2) dairy **cow**

The farmer milked the **cows** every morning before breakfast.

cadaver

n. a dead body, especially one used for scientific study or medical research

synonym: corpse, body, remains

(1) **cadaver** lab, (2) **cadaver** donor

The hospital received a donation of **cadavers** for their research program.

winery

n. a facility where grapes are processed, and wine is made and stored, often includes areas for tasting, tours, and sales

synonym : vineyard, wine cellar

(1) **winery** tour, (2) boutique **winery**

She works as a sommelier at a prestigious **winery** in Napa Valley.

brick

n. a rectangular block of baked clay used as a building material

synonym : block, tile, paver

(1) **brick** wall, (2) dressed **brick**

The wall was made of hard **bricks** that had been used for centuries.

administer

v. to oversee and control the operation or arrangement of something

synonym : allocate, distribute, dispense

(1) **administer** justice, (2) **administer** the funds

After the accident, three governmental bodies **administer** the company.

alternative

n. one of two or more available possibilities or choice

synonym : choice, option

(1) an **alternative** plan, (2) there is no other **alternative**

Doctors are gradually coming around to the idea of using **alternative** medicines.

responsible

adj. answerable or accountable for something within one's power, control, or management

synonym : accountable, answerable, liable

(1) **responsible** action, (2) **responsible** for a customer service

She's a **responsible** pet owner who ensures her dog gets enough exercise and a healthy diet.

transgenic

adj. relating to or characterized by the transfer of genes from one species to another, typically done in genetic engineering and biotechnology

synonym : genetically modified, altered, engineered

(1) **transgenic** organism, (2) **transgenic** technology

The **transgenic** crops were genetically modified to be resistant to pests.

tobacco

n. a plant grown for its leaves, which are dried and processed for smoking or chewing or extraction of nicotine

synonym : smoking, nicotine, cigar

(1) **tobacco** industry, (2) a mild **tobacco**

Tobacco product is a leading cause of preventable deaths worldwide.

brand

n. a type of product, service, etc., made by a particular company and sold under a specific name; identification mark on the skin of livestock, criminals, etc., made by burning

synonym : trademark, label, symbol

(1) create a **brand** logo, (2) the **brand** of the new car

There's a new **brand** of hero in the movies now.

untouched

adj. not touched or disturbed by anyone or anything; not having been altered, changed, or affected in any way

synonym : untarnished, pristine, intact

(1) **untouched** wilderness, (2) **untouched** landscape

The abandoned house was **untouched** for years, with vines growing all over it.

greenhouse

n. a building with walls and roof made chiefly of transparent material, such as glass, for growing plants in

synonym : conservatory

(1) exotic plants in a **greenhouse**, (2) emissions of **greenhouse** gases

The **greenhouse** effect is a phenomenon that happens naturally.

harvest

n. yields of plants in a single growing season; the period of the year when gathering occurs on a farm

synonym: crop, reaping, yield

(1) a scanty **harvest**, (2) reap a **harvest**

During **harvest**, farmers are incredibly busy.

transport

n. a system for moving people or products from one location to another using automobiles, roads, and so on

synonym: shipment, transit, conveyance

(1) **transport** facilities, (2) access to public **transport**

Enhanced rail **transportation** is crucial for our business.

essentially

adv. relating to the essential features or concepts of anything

synonym: fundamentally, basically, virtually

(1) **essentially** correct, (2) become **essentially** same

Essentially, a society is an organism.

crush

v. to press it firmly, usually with your hands or a tool, so that it becomes flat or smaller

synonym: destroy, demolish, pulverize

(1) **crush** coffee beans, (2) **crush** a revolt

The car was completely **crushed** in the accident.

concentration

n. the ability to focus all your time and energy on one thing without thinking about anything else.

synonym: attention, engagement, assiduity

(1) **concentration** of armaments, (2) his research area of **concentration**

This exam requires excellent **concentration** to pass.

transfer

v. to move, pass, or change from one person, place, or situation to another

synonym: move, relocate, shift

(1) **transfer** a file, (2) **transfer** power

She **transferred** the money from her savings account to her checking account.

identical

adj. being the exact same one

synonym: duplicate, exact, analogous

(1) pair of **identical** twins, (2) an **identical** equation

Infant formulas are nutritionally almost **identical** to a mother's breast milk.

void

n. an empty space; a feeling of emptiness; (adjective) lacking any legal or binding force

synonym: emptiness, vacuity, (adjective) null

(1) **void** of expression, (2) **void** contract

The **void** in her heart was filled with the love of her family.

fracture

n. the breaking or cracking of a rigid material or object such as bone

synonym: break, crack, rupture

(1) **fracture** test, (2) risk of bone **fractures**

X-ray inspection revealed many **fractures**.

spinal

adj. of or relating to the spine (= the long bone in the body's back)

(1) **spinal** injury, (2) brain and **spinal** cord

The surgeon carefully confirmed how to remove the tumor to avoid damaging the **spinal** nerves.

fusion

n. the process of combining two or more things to form a single entity

synonym: merger, consolidation, amalgamation

(1) heat **fusion**, (2) **fusion** cuisine

Nuclear **fusion** is a process in which atomic nuclei combine

to form heavier nuclei.

launch

v. to send or propel something into the air or space using a device such as a rocket, missile, or spacecraft; to make something available or on sale for the first time

synonym: start, initiate, begin

(1) **launch** a spaceship into orbit, (2) **launch** a big attack

The company is set to **launch** its new product line next month.

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.

diabetes

n. a medical condition in which the body cannot produce enough insulin to control the glucose levels in the blood

(1) juvenile **diabetes**, (2) **diabetes** patient

My father was tested for **diabetes**.

ulcer

n. a sore or erosion in the skin or mucous membrane, often caused by infection or inflammation; a persistent, painful cavity in the stomach or intestinal wall that can lead to digestive problems

synonym: lesion, sore, wound

(1) mouth **ulcer**, (2) gastric **ulcer**

The stress of the job caused him to develop an **ulcer** in his stomach.

approve

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

synonym: accept, authorize, agree

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

resolution

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

clinic

n. a building or hospital department where people can go for medical care or advice, especially of a particular condition

synonym: hospital, infirmary

(1) visit to the veterinary **clinic**, (2) a dental **clinic**

She holds a **clinic** on Tuesday mornings.

fiction

n. the type of book or story, especially novels, that describes imaginary events and people; anything made up or imagined that is not true

synonym: fantasy, fable, invention

(1) stuff of science **fiction**, (2) non- **fiction** bestseller

Truth is stranger than **fiction**.

tendon

n. a strong, fibrous cord of tissue that connects muscle to bone

synonym: tissue, sinew, ligament

(1) **tendon** grafting, (2) **tendon** collagen

Tendon injuries are common among athletes.

oddly

adv. in a way that is unexpected, strange, or peculiar

synonym: strangely, peculiarly, weirdly

(1) behave **oddly**, (2) **oddly** familiar

He walked into the party with an **oddly** dressed companion, causing everyone to stare.

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.

ligament

n. a band of tissue that connects bones or holds organs in place to support and stabilize the body

synonym: band, cord, tendon

(1) a **ligament** in the ankle, (2) cruciate **ligament**

The **ligaments** in the knee provide stability and support.

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.

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.

donor

n. a person or an organization that makes a gift of money, food, supplies, etc. to a cause or fund; in medicine, a person who gives blood or tissue or an organ to be used in another person

synonym: contributor, patron, supporter

(1) a transfusion of **donor** blood, (2) an unnamed **donor**

His body rejected the liver of the **donor**.

Zion

n. a term used in the Bible to refer to the hill in Jerusalem, which is the symbolic center of Jewish worship and identity; in a broader sense, Zion sometimes refers to the Jewish people, the land of Israel, or the idea of a promised homeland for the Jewish nation

synonym: jerusalem, promised land, holy city

(1) going up to **Zion**, (2) the ancient land of **Zion**

The Jewish people strongly connect to **Zion** as a symbol of their homeland and identity.

evolution

n. a gradual process of transformation of living things

synonym: elaboration, expansion, transition

(1) human **evolution**, (2) **evolution** theory

They study the **evolution** of the universe.

embrace

v. to accept something willingly and enthusiastically;
(noun) the act of clasping another person in the arms as in greeting or affection

synonym: grasp, hold tightly, accept

(1) **embrace** an opportunity, (2) a warm **embrace**

The woods **embrace** the house.

progression

n. the act or process of changing to the next stage or phase or moving forward

synonym: advancement, development, evolution

(1) **progression** of civilization, (2) **progression** of disease

The company has made great strides in its **progression** toward sustainability.

Session 2: Spelling

1. su___r a setback
v. to experience pain, distress, or hardship; to undergo or endure something painful or unpleasant
2. au_____t the reality
v. to increase the size, extent, quantity, etc. of something by adding something to it
3. rainproof sh_____r
n. a structure built to protect from poor weather, danger, or attack; (verb) to protect or shield from harm or adversity, particularly relating to environmental conditions or danger
4. od__y familiar
adv. in a way that is unexpected, strange, or peculiar
5. sur_____ng areas
adj. that is near or around, or closely encircling something
6. cr__h a revolt
v. to press it firmly, usually with your hands or a tool, so that it becomes flat or smaller
7. personal li_____y
n. the state of being free within society from oppressive restrictions imposed by authority on one's way of life, behavior, or political views
8. epoxy g__e
n. a sticky substance used for joining things together; a bonding agent made from animal or synthetic materials
9. sy_____ic fiber
adj. made by combining chemical substances as opposed to being naturally occurring

ANSWERS: 1. suffer, 2. augment, 3. shelter, 4. oddly, 5. surrounding, 6. crush, 7. liberty, 8. glue, 9. synthetic

10. v__d of expression *n.* an empty space; a feeling of emptiness; (adjective) lacking any legal or binding force
11. a li_____nt in the ankle *n.* a band of tissue that connects bones or holds organs in place to support and stabilize the body
12. as_____le your colleagues *v.* to collect in one place as a single group
13. stuff of science fi_____n *n.* the type of book or story, especially novels, that describes imaginary events and people; anything made up or imagined that is not true
14. effects of cl_____e change *n.* the weather in a particular location averaged over some long period
15. adm_____er justice *v.* to oversee and control the operation or arrangement of something
16. the ancient land of Z__n *n.* a term used in the Bible to refer to the hill in Jerusalem, which is the symbolic center of Jewish worship and identity; in a broader sense, Zion sometimes refers to the Jewish people, the land of Israel, or the idea of a promised homeland for the Jewish nation
17. 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
18. the cabin pressure fell dra_____lly *adv.* in a very impressive manner
19. r_b shoulders *v.* to move one's hand or an object over the surface of something with pressure

ANSWERS: 10. void, 11. ligament, 12. assemble, 13. fiction, 14. climate, 15. administer, 16. Zion, 17. valve, 18. dramatically, 19. rub

20. cry_____ne water *adj.* resembling crystal in clarity, transparency, or brilliance; having a highly ordered and symmetrical molecular structure
21. 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
22. co_____en supplement *n.* a fibrous protein that forms the connective tissues in animals, including skin, tendons, and bone; often used in cosmetic and medical treatments for its ability to add firmness and elasticity to skin or other tissues
23. 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
24. dressed br__k *n.* a rectangular block of baked clay used as a building material
25. establish his ki_____m *n.* the country ruled by a king or queen
26. pair of id_____al twins *adj.* being the exact same one
27. less fa__y meat *adj.* containing a lot of fat
28. te___n grafting *n.* a strong, fibrous cord of tissue that connects muscle to bone
29. anti-air raid sh_____r *n.* a structure built to protect from poor weather, danger, or attack; (verb) to protect or shield from harm or adversity, particularly relating to environmental conditions or danger

ANSWERS: 20. crystalline, 21. biomaterial, 22. collagen, 23. generation, 24. brick, 25. kingdom, 26. identical, 27. fatty, 28. tendon, 29. shelter

30. access to public tr_____rt *n.* a system for moving people or products from one location to another using automobiles, roads, and so on
31. am_____g advances *adj.* extremely surprising, especially in a way that you like or admire
32. his research area of
con_____ion *n.* the ability to focus all your time and energy on one thing without thinking about anything else.
33. pro_____on of disease *n.* the act or process of changing to the next stage or phase or moving forward
34. visit to the veterinary cl____c *n.* a building or hospital department where people can go for medical care or advice, especially of a particular condition
35. 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
36. te____n collagen *n.* a strong, fibrous cord of tissue that connects muscle to bone
37. a hand-loomed fa____c *n.* cloth or other material produced by weaving wool, cotton, silk, etc., used for making clothes, covering furniture, etc.
38. 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
39. sl____e treatment *n.* a thick, wet mixture of liquid and solid matter, typically one that is unpleasant or harmful

ANSWERS: 30. transport, 31. amazing, 32. concentration, 33. progression, 34. clinic, 35. patient, 36. tendon, 37. fabric, 38. valve, 39. sludge

40. ca____r lab *n.* a dead body, especially one used for scientific study or medical research
41. ess_____ly correct *adv.* relating to the essential features or concepts of anything
42. di_____es patient *n.* a medical condition in which the body cannot produce enough insulin to control the glucose levels in the blood
43. sma_____ne app developer *n.* a mobile phone that functions as a computer and connects to the Internet
44. s__p a whip *v.* to record on photographic film; to make a sudden, sharp sound; (noun) the act of catching an object with the hands
45. au_____t immunity *v.* to increase the size, extent, quantity, etc. of something by adding something to it
46. decision-making pr_____s *n.* a series of actions or operations performed to achieve a particular outcome or goal; a systematic procedure or approach used to accomplish a specific task or objective; a method of treating milk to make it suitable for consumption or use in other dairy products
47. a sop_____ted lifestyle *adj.* having a great deal of worldly experience and knowledge of people's behavior, culture, and fashion
48. an id_____al equation *adj.* being the exact same one
49. st__l beam *n.* a strong metal alloy made up of iron with typically a few tenths of a percent of carbon used for making things that need a strong structure

ANSWERS: 40. cadaver, 41. essentially, 42. diabetes, 43. smartphone, 44. snap, 45. augment, 46. process, 47. sophisticated, 48. identical, 49. steel

50. gen_____on gap *n.* all the people born and living at about the same time, regarded collectively; the production of heat or electricity
51. an unnamed do__r *n.* a person or an organization that makes a gift of money, food, supplies, etc. to a cause or fund; in medicine, a person who gives blood or tissue or an organ to be used in another person
52. st_____h a story *v.* to make or be capable of making anything longer or broader without hurting or breaking
53. se___e heat *adj.* extremely serious or bad in feeling, manner, or strict and harsh; extremely strong or vigorous
54. emissions of gre_____se gases *n.* a building with walls and roof made chiefly of transparent material, such as glass, for growing plants in
55. res_____le for a customer service *adj.* answerable or accountable for something within one's power, control, or management
56. re_____n-based biomaterials *n.* a rubber-like protein found in insects and some other animals, known for its highly elastic properties, enabling it to act as a shock absorber in certain body parts or structures, such as wings or joints
57. a cold cl_____e *n.* the weather in a particular location averaged over some long period
58. em_____e an opportunity *v.* to accept something willingly and enthusiastically; (noun) the act of clasping another person in the arms as in greeting or affection

ANSWERS: 50. generation, 51. donor, 52. stretch, 53. severe, 54. greenhouse, 55. responsible, 56. resilin, 57. climate, 58. embrace

59. museum sh____se *n.* a display or exhibition of something, typically as a way of promoting it
60. Se_____a National Park *n.* a huge evergreen tree that is native to California and has a straight trunk and a narrow, conical crown, which is a type of redwood
61. insect re_____n *n.* a rubber-like protein found in insects and some other animals, known for its highly elastic properties, enabling it to act as a shock absorber in certain body parts or structures, such as wings or joints
62. go to the sc_____ld *n.* a temporary platform or structure used to support workers and materials during construction or maintenance work
63. ce_____se acetate *n.* a complex carbohydrate that is the main structural component of plant cell walls and fibers; a substance used to make paper, textiles, and other materials
64. on an equal ba__s *n.* the most important facts, ideas, or events from which something is developed; the way how things are organized or arranged
65. a warm em_____e *v.* to accept something willingly and enthusiastically; (noun) the act of clasping another person in the arms as in greeting or affection
66. re_____e a prisoner *v.* to set free or allow to escape from confinement
67. brain and sp____l cord *adj.* of or relating to the spine (= the long bone in the body's back)

ANSWERS: 59. showcase, 60. sequoia, 61. resilin, 62. scaffold, 63. cellulose, 64. basis, 65. embrace, 66. release, 67. spinal

68. v__d contract *n.* an empty space; a feeling of emptiness; (adjective) lacking any legal or binding force
69. sur_____gly advanced culture *adv.* in a way that causes amazement or wonder
70. res_____on of a conflict *n.* a firm decision or determination to do or not do something; the action of solving a problem, dispute, or conflict; the quality of being resolved or determined; the clarity and sharpness of an image or display
71. display res_____on *n.* a firm decision or determination to do or not do something; the action of solving a problem, dispute, or conflict; the quality of being resolved or determined; the clarity and sharpness of an image or display
72. skin de____s *n.* the layer of skin beneath the epidermis that contains blood vessels, nerves, and connective tissue
73. 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
74. heat fu____n *n.* the process of combining two or more things to form a single entity
75. in____t antenna *n.* any small creature that has six legs and a body divided into three sections

ANSWERS: 68. void, 69. surprisingly, 70. resolution, 71. resolution, 72. dermis, 73. gel, 74. fusion, 75. insect

76. chaotic env_____nt *n.* the natural world such as air, water, and land in which humans, animals, and plants live
77. mouth ul__r *n.* a sore or erosion in the skin or mucous membrane, often caused by infection or inflammation; a persistent, painful cavity in the stomach or intestinal wall that can lead to digestive problems
78. ce_____se insulation *n.* a complex carbohydrate that is the main structural component of plant cell walls and fibers; a substance used to make paper, textiles, and other materials
79. pr_____s improvement *n.* a series of actions or operations performed to achieve a particular outcome or goal; a systematic procedure or approach used to accomplish a specific task or objective; a method of treating milk to make it suitable for consumption or use in other dairy products
80. sy_____ic fertilizer *adj.* made by combining chemical substances as opposed to being naturally occurring
81. fr_____re test *n.* the breaking or cracking of a rigid material or object such as bone
82. risk of bone fr_____res *n.* the breaking or cracking of a rigid material or object such as bone
83. create a br__d logo *n.* a type of product, service, etc., made by a particular company and sold under a specific name; identification mark on the skin of livestock, criminals, etc., made by burning

ANSWERS: 76. environment, 77. ulcer, 78. cellulose, 79. process, 80. synthetic, 81. fracture, 82. fracture, 83. brand

84. st____th of the economy *n.* the quality or state of being physically, or sometimes mentally, strong
85. adm_____ly controversial *adv.* used to acknowledge a fact or statement, often one that weakens or contradicts an argument or opinion; concededly
86. 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
87. a female sc__w *v.* to turn something, such as a bolt, with a driver or wrench to tighten or loosen it; (noun) a cylindrical rod with a helical ridge used to fasten things together
88. adm_____er the funds *v.* to oversee and control the operation or arrangement of something
89. reap a ha_____t *n.* yields of plants in a single growing season; the period of the year when gathering occurs on a farm
90. sop_____ted look *adj.* having a great deal of worldly experience and knowledge of people's behavior, culture, and fashion
91. ba__s for calculation *n.* the most important facts, ideas, or events from which something is developed; the way how things are organized or arranged
92. fu____n cuisine *n.* the process of combining two or more things to form a single entity

ANSWERS: 84. strength, 85. admittedly, 86. surgery, 87. screw, 88. administer, 89. harvest, 90. sophisticated, 91. basis, 92. fusion

93. a mild to_____o *n.* a plant grown for its leaves, which are dried and processed for smoking or chewing or extraction of nicotine
94. recombinant cl___e *n.* a plant or animal whose genetic information is identical to that of a parent organism from which it was created; an unauthorized copy or imitation
95. arc_____ure design *n.* the art and science of designing and constructing buildings
96. a me_____l opinion *adj.* relating to the treatment of illness or injuries; relating to the practice of medicine
97. re_____e CO2 into the air *v.* to set free or allow to escape from confinement
98. muscular st_____th *n.* the quality or state of being physically, or sometimes mentally, strong
99. en_____e reaction *n.* a substance produced by a living organism that acts as a catalyst to bring about a specific biochemical reaction
100. st_____ng water *adj.* existing or remaining upright; having a vertical position; (noun) social, financial, or professional status or reputation
101. el_____c body *adj.* flexible, resilient, or adaptable; (noun) a stretchy material or band that can be stretched and then returned to its original shape; something that is flexible and adaptable
102. fun_____al education *adj.* forming an essential base or core from which everything else develops or is affected

ANSWERS: 93. tobacco, 94. clone, 95. architecture, 96. medical, 97. release, 98. strength, 99. enzyme, 100. standing, 101. elastic, 102. fundamental

103. c_w herd *n.* a domesticated mammal with characteristic features such as a hump, large udders, and curved horns that is raised for its milk or meat
104. un_____ed wilderness *adj.* not touched or disturbed by anyone or anything; not having been altered, changed, or affected in any way
105. synthetic fi__r *n.* thread or filament used to make a vegetable tissue, mineral material, or textile
106. adm_____ly true *adv.* used to acknowledge a fact or statement, often one that weakens or contradicts an argument or opinion; concededly
107. im_____t genes in the animals *v.* to insert or fix an artificial device in a person's body; to put an idea, attitude, etc., firmly in the mind
108. intellectual f__t *n.* a notable or impressive achievement, especially one that requires great skill or bravery
109. fun_____al rights *adj.* forming an essential base or core from which everything else develops or is affected
110. gastric ul__r *n.* a sore or erosion in the skin or mucous membrane, often caused by infection or inflammation; a persistent, painful cavity in the stomach or intestinal wall that can lead to digestive problems
111. su___r bad grades *v.* to experience pain, distress, or hardship; to undergo or endure something painful or unpleasant

ANSWERS: 103. cow, 104. untouched, 105. fiber, 106. admittedly, 107. implant, 108. feat, 109. fundamental, 110. ulcer, 111. suffer

112. a tra_____nt lie *adj.* easy to perceive, detect, or understand; (of a material or article) permitting light to pass through freely
113. su_____e a plane crash *v.* to live or exist despite a dangerous event or period
114. exotic plants in a gre_____se *n.* a building with walls and roof made chiefly of transparent material, such as glass, for growing plants in
115. a scanty ha_____t *n.* yields of plants in a single growing season; the period of the year when gathering occurs on a farm
116. 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
117. pro_____on of civilization *n.* the act or process of changing to the next stage or phase or moving forward
118. cruciate li_____nt *n.* a band of tissue that connects bones or holds organs in place to support and stabilize the body
119. a beautiful st_____e *n.* a sculpture of a person or animal, typically made of stone or metal, that is intended to represent the subject in a lifelike or symbolic way
120. a fine wr_____e on a fabric *n.* a small line or fold in something, especially fabric or the skin of the face; a minor difficulty
121. a subordinate ki_____m *n.* the country ruled by a king or queen

ANSWERS: 112. transparent, 113. survive, 114. greenhouse, 115. harvest, 116. transplant, 117. progression, 118. ligament, 119. statue, 120. wrinkle, 121. kingdom

122. rep_____nt cost *n.* the act of replacing something with something else, especially that is newer or better; a person or thing that takes or can take the place of another
123. the ancient Egyptian st___es *n.* a sculpture of a person or animal, typically made of stone or metal, that is intended to represent the subject in a lifelike or symbolic way
124. 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
125. f__a infestation *n.* a small, agile, wingless, and parasitic insect that feeds on the blood of mammals and birds
126. cl__e embryo *n.* a plant or animal whose genetic information is identical to that of a parent organism from which it was created; an unauthorized copy or imitation
127. con_____ion of armaments *n.* the ability to focus all your time and energy on one thing without thinking about anything else.
128. tr_____rt facilities *n.* a system for moving people or products from one location to another using automobiles, roads, and so on
129. boutique wi___y *n.* a facility where grapes are processed, and wine is made and stored, often includes areas for tasting, tours, and sales

ANSWERS: 122. replacement, 123. statue, 124. cotton, 125. flea, 126. clone, 127. concentration, 128. transport, 129. winery

130. pre-mo___n agricultural society *adj.* of or belonging to the present time or recent times
131. magnetic st__l *n.* a strong metal alloy made up of iron with typically a few tenths of a percent of carbon used for making things that need a strong structure
132. s__p judgment *v.* to record on photographic film; to make a sudden, sharp sound; (noun) the act of catching an object with the hands
133. 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
134. 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
135. equ_____nt in meaning *n.* having the same value, quality, meaning, purpose, etc.
136. en___e information *v.* to convert information into a code or format suitable for storage or transmission
137. a mec_____al style of writing *adj.* operated by a machine, relating to or concerned with machinery or tools
138. good source of essential amino
a__ds *n.* sour; water-soluble chemicals with a sour flavor; any of a variety of generally liquid compounds capable of reacting with and occasionally dissolving other materials
139. fa___c of creation *n.* cloth or other material produced by weaving wool, cotton, silk, etc., used for making clothes, covering furniture, etc.

ANSWERS: 130. modern, 131. steel, 132. snap, 133. structure, 134. implant, 135. equivalent, 136. encode, 137. mechanical, 138. acid, 139. fabric

140. an a__d reaction *n.* sour; water-soluble chemicals with a sour flavor; any of a variety of generally liquid compounds capable of reacting with and occasionally dissolving other materials
141. mo___n poetry *adj.* of or belonging to the present time or recent times
142. loss of muscle ti___e *n.* an ensemble of similar cells of the animal or plant that together carry out a specific function
143. ind_____us worker *adj.* hardworking, diligent, and persistent in effort
144. become ess_____ly same *adv.* relating to the essential features or concepts of anything
145. juvenile di___es *n.* a medical condition in which the body cannot produce enough insulin to control the glucose levels in the blood
146. sq___h a tomato *v.* to crush or press something so that it becomes flat or distorted
147. re_____ze talent *v.* to acknowledge or realize something or someone; to identify, remember, or become aware of something that was previously known or encountered
148. env_____nt affairs *n.* the natural world such as air, water, and land in which humans, animals, and plants live
149. 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

ANSWERS: 140. acid, 141. modern, 142. tissue, 143. industrious, 144. essentially, 145. diabetes, 146. squish, 147. recognize, 148. environment, 149. develop

150. co_____en production *n.* a fibrous protein that forms the connective tissues in animals, including skin, tendons, and bone; often used in cosmetic and medical treatments for its ability to add firmness and elasticity to skin or other tissues
151. pos_____on of the evidence *n.* the state or fact of owning or having something
152. sq____h the ellipse *v.* to crush or press something so that it becomes flat or distorted
153. the local chamber of co_____ce *n.* the activity of buying and selling things, especially on a large scale
154. art cr____c *n.* someone who expresses opinions about the quality of books, music, etc.
155. the influence of mec_____al action *adj.* operated by a machine, relating to or concerned with machinery or tools
156. ca_____r donor *n.* a dead body, especially one used for scientific study or medical research
157. stress pr_____n *n.* a molecule made up of a long chain of amino acids, which is essential for the structure and function of the body's tissues
158. hair follicle de____s *n.* the layer of skin beneath the epidermis that contains blood vessels, nerves, and connective tissue
159. unanimously ap_____e a resolution *v.* to think that someone or something is favorable, acceptable, or appropriate; to officially accept a plan, request, etc.
160. his social st_____ng *adj.* existing or remaining upright; having a vertical position; (noun) social, financial, or professional status or reputation

ANSWERS: 150. collagen, 151. possession, 152. squish, 153. commerce, 154. critic, 155. mechanical, 156. cadaver, 157. protein, 158. dermis, 159. approve, 160. standing

161. tra_____ic organism *adj.* relating to or characterized by the transfer of genes from one species to another, typically done in genetic engineering and biotechnology
162. a territorial pos_____on *n.* the state or fact of owning or having something
163. have sur_____gly little effect *adv.* in a way that causes amazement or wonder
164. in___t biology *n.* any small creature that has six legs and a body divided into three sections
165. a fatal in___y *n.* harm done to a person's or an animal's body caused by an accident or an attack
166. fa__y acid *adj.* containing a lot of fat
167. r_b a glass window *v.* to move one's hand or an object over the surface of something with pressure
168. 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
169. clinical mic_____py *n.* the scientific study of small structures or substances using microscopes, including the anatomical, physiological, and pathological aspects of cells, tissues, and organs
170. a giant se_____a *n.* a huge evergreen tree that is native to California and has a straight trunk and a narrow, conical crown, which is a type of redwood

ANSWERS: 161. transgenic, 162. possession, 163. surprisingly, 164. insect, 165. injury, 166. fatty, 167. rub, 168. structure, 169. microscopy, 170. sequoia

171. sh____se of innovation *n.* a display or exhibition of something, typically as a way of promoting it
172. br__k wall *n.* a rectangular block of baked clay used as a building material
173. a se___e case of pneumonia *adj.* extremely serious or bad in feeling, manner, or strict and harsh; extremely strong or vigorous
174. sl___e removal *n.* a thick, wet mixture of liquid and solid matter, typically one that is unpleasant or harmful
175. pro_____te cells *v.* to grow or increase rapidly in number; to reproduce or spread rapidly, especially in an uncontrolled manner
176. beginning of the ind_____al revolution *adj.* of or relating to or resulting from industry
177. complex sac_____de *n.* a simple sugar or carbohydrate; any compound that can be hydrolyzed to yield sugars
178. a facial wr_____e *n.* a small line or fold in something, especially fabric or the skin of the face; a minor difficulty
179. 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
180. tra_____nt crystal *adj.* easy to perceive, detect, or understand; (of a material or article) permitting light to pass through freely
181. pro_____te weeds *v.* to grow or increase rapidly in number; to reproduce or spread rapidly, especially in an uncontrolled manner

ANSWERS: 171. showcase, 172. brick, 173. severe, 174. sludge, 175. proliferate, 176. industrial, 177. saccharide, 178. wrinkle, 179. biomaterial, 180. transparent, 181. proliferate

182. as_____le a jigsaw puzzle *v.* to collect in one place as a single group
183. re_____ze achievement *v.* to acknowledge or realize something or someone; to identify, remember, or become aware of something that was previously known or encountered
184. ind_____al alcohol *adj.* of or relating to or resulting from industry
185. el_____c waistband *adj.* flexible, resilient, or adaptable; (noun) a stretchy material or band that can be stretched and then returned to its original shape; something that is flexible and adaptable
186. without in____y *n.* harm done to a person's or an animal's body caused by an accident or an attack
187. evolutionary bi_____y *n.* the scientific study of life and the natural processes of living things
188. local f__a market *n.* a small, agile, wingless, and parasitic insect that feeds on the blood of mammals and birds
189. 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
190. ind_____us student *adj.* hardworking, diligent, and persistent in effort
191. co_____e chemically with another substance *v.* to join or merge to form a single thing or group

ANSWERS: 182. assemble, 183. recognize, 184. industrial, 185. elastic, 186. injury, 187. biology, 188. flea, 189. cotton, 190. industrious, 191. combine

192. the br__d of the new car *n.* a type of product, service, etc., made by a particular company and sold under a specific name; identification mark on the skin of livestock, criminals, etc., made by burning
193. li_____y as a right *n.* the state of being free within society from oppressive restrictions imposed by authority on one's way of life, behavior, or political views
194. to_____o industry *n.* a plant grown for its leaves, which are dried and processed for smoking or chewing or extraction of nicotine
195. beam of el_____ons *n.* a tiny particle with the negative electrical charge
196. sc__w the cap *v.* to turn something, such as a bolt, with a driver or wrench to tighten or loosen it; (noun) a cylindrical rod with a helical ridge used to fasten things together
197. regular rep_____nt of tires *n.* the act of replacing something with something else, especially that is newer or better; a person or thing that takes or can take the place of another
198. the most am_____g feeling *adj.* extremely surprising, especially in a way that you like or admire
199. la___h a big attack *v.* to send or propel something into the air or space using a device such as a rocket, missile, or spacecraft; to make something available or on sale for the first time
200. ap_____e a measures *v.* to think that someone or something is favorable, acceptable, or appropriate; to officially accept a plan, request, etc.

ANSWERS: 192. brand, 193. liberty, 194. tobacco, 195. electron, 196. screw, 197. replacement, 198. amazing, 199. launch, 200. approve

201. cell and molecular bi_____y	<i>n.</i> the scientific study of life and the natural processes of living things
202. tr_____er power	<i>v.</i> to move, pass, or change from one person, place, or situation to another
203. interstate co_____ce	<i>n.</i> the activity of buying and selling things, especially on a large scale
204. an ear_____ke zone	<i>n.</i> a sudden and violent shaking of the ground caused by the movement of rock beneath the earth's surface
205. behave od__y	<i>adv.</i> in a way that is unexpected, strange, or peculiar
206. cry_____ne structure	<i>adj.</i> resembling crystal in clarity, transparency, or brilliance; having a highly ordered and symmetrical molecular structure
207. an alt_____ve plan	<i>n.</i> one of two or more available possibilities or choice
208. classic arc_____ure	<i>n.</i> the art and science of designing and constructing buildings
209. sma_____ne addict	<i>n.</i> a mobile phone that functions as a computer and connects to the Internet
210. electron mic_____py	<i>n.</i> the scientific study of small structures or substances using microscopes, including the anatomical, physiological, and pathological aspects of cells, tissues, and organs
211. sc_____ld construction	<i>n.</i> a temporary platform or structure used to support workers and materials during construction or maintenance work

ANSWERS: 201. biology, 202. transfer, 203. commerce, 204. earthquake, 205. oddly, 206. crystalline, 207. alternative, 208. architecture, 209. smartphone, 210. microscopy, 211. scaffold

212. he confessed dra_____lly *adv.* in a very impressive manner
213. su_____e a blizzard *v.* to live or exist despite a dangerous event or period
214. an ear_____ke-proof *n.* a sudden and violent shaking of the ground caused by the movement of rock beneath the earth's surface
215. 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
216. a fence sur_____ng a castle *adj.* that is near or around, or closely encircling something
217. going up to Z__n *n.* a term used in the Bible to refer to the hill in Jerusalem, which is the symbolic center of Jewish worship and identity; in a broader sense, Zion sometimes refers to the Jewish people, the land of Israel, or the idea of a promised homeland for the Jewish nation
218. a brief ex_____t from the book *n.* a short passage taken from a book, piece of music, etc.; a substance obtained from something through a specific process; (verb) to obtain from something or to remove something by effort or force
219. wi_____y tour *n.* a facility where grapes are processed, and wine is made and stored, often includes areas for tasting, tours, and sales

ANSWERS: 212. dramatically, 213. survive, 214. earthquake, 215. gel, 216. surrounding, 217. Zion, 218. extract, 219. winery

220. ju__y behavior *adj.* nervous, jittery, or prone to sudden movements or reactions; characterized by irregular or uneven movement or motion
221. tr_____er a file *v.* to move, pass, or change from one person, place, or situation to another
222. temporary me_____l treatment *adj.* relating to the treatment of illness or injuries; relating to the practice of medicine
223. flow of el_____ons *n.* a tiny particle with the negative electrical charge
224. human ev_____on *n.* a gradual process of transformation of living things
225. co_____e augmented reality *v.* to join or merge to form a single thing or group
226. equ_____nt amounts *n.* having the same value, quality, meaning, purpose, etc.
227. sp___l injury *adj.* of or relating to the spine (= the long bone in the body's back)
228. res_____le action *adj.* answerable or accountable for something within one's power, control, or management
229. there is no other alt_____ve *n.* one of two or more available possibilities or choice
230. 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: 220. jumpy, 221. transfer, 222. medical, 223. electron, 224. evolution, 225. combine, 226. equivalent, 227. spinal, 228. responsible, 229. alternative, 230. surgery

231. st____h along the coast *v.* to make or be capable of making anything longer or broader without hurting or breaking
232. 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
233. non-fi_____n bestseller *n.* the type of book or story, especially novels, that describes imaginary events and people; anything made up or imagined that is not true
234. cr__h coffee beans *v.* to press it firmly, usually with your hands or a tool, so that it becomes flat or smaller
235. en___e data *v.* to convert information into a code or format suitable for storage or transmission
236. severe cr___c *n.* someone who expresses opinions about the quality of books, music, etc.
237. sac_____de molecule *n.* a simple sugar or carbohydrate; any compound that can be hydrolyzed to yield sugars
238. a dental cl___c *n.* a building or hospital department where people can go for medical care or advice, especially of a particular condition
239. carbon fi__r *n.* thread or filament used to make a vegetable tissue, mineral material, or textile

ANSWERS: 231. stretch, 232. transplant, 233. fiction, 234. crush, 235. encode, 236. critic, 237. saccharide, 238. clinic, 239. fiber

240. lack of digestive en___es *n.* a substance produced by a living organism that acts as a catalyst to bring about a specific biochemical reaction
241. f__t accomplishment *n.* a notable or impressive achievement, especially one that requires great skill or bravery
242. un_____ed landscape *adj.* not touched or disturbed by anyone or anything; not having been altered, changed, or affected in any way
243. 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
244. ev_____on theory *n.* a gradual process of transformation of living things
245. la___h a spaceship into orbit *v.* to send or propel something into the air or space using a device such as a rocket, missile, or spacecraft; to make something available or on sale for the first time
246. tra_____ic technology *adj.* relating to or characterized by the transfer of genes from one species to another, typically done in genetic engineering and biotechnology
247. a facial ti___e *n.* an ensemble of similar cells of the animal or plant that together carry out a specific function
248. g__e stick *n.* a sticky substance used for joining things together; a bonding agent made from animal or synthetic materials

ANSWERS: 240. enzyme, 241. feat, 242. untouched, 243. patient, 244. evolution, 245. launch, 246. transgenic, 247. tissue, 248. glue

249. pr_____n synthesis *n.* a molecule made up of a long chain of amino acids, which is essential for the structure and function of the body's tissues
250. de___e on a course of action *v.* to make up someone's mind about something; to come to a conclusion or judgment after considering options
251. a transfusion of do__r blood *n.* a person or an organization that makes a gift of money, food, supplies, etc. to a cause or fund; in medicine, a person who gives blood or tissue or an organ to be used in another person
252. ju__y cat *adj.* nervous, jittery, or prone to sudden movements or reactions; characterized by irregular or uneven movement or motion
253. dairy c_w *n.* a domesticated mammal with characteristic features such as a hump, large udders, and curved horns that is raised for its milk or meat
254. 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
255. de___e a question *v.* to make up someone's mind about something; to come to a conclusion or judgment after considering options
256. botanical ex_____t *n.* a short passage taken from a book, piece of music, etc.; a substance obtained from something through a specific process; (verb) to obtain from something or to remove something by effort or force

ANSWERS: 249. protein, 250. decide, 251. donor, 252. jumpy, 253. cow, 254. develop, 255. decide, 256. extract

ANSWERS:

Session 3: Fill in the Blanks

1. Enhanced rail _____ is crucial for our business.
n. a system for moving people or products from one location to another using automobiles, roads, and so on

2. _____ and weather have an impact on every part of our lifestyles.
n. the weather in a particular location averaged over some long period

3. She couldn't _____ whether to order the pizza or the pasta for dinner.
v. to make up someone's mind about something; to come to a conclusion or judgment after considering options

4. He _____ the insect between his fingers to get rid of it.
v. to crush or press something so that it becomes flat or distorted

5. Marketing strategies are growing more _____.
adj. having a great deal of worldly experience and knowledge of people's behavior, culture, and fashion

6. The _____ tree is known for its massive size and long lifespan.
n. a huge evergreen tree that is native to California and has a straight trunk and a narrow, conical crown, which is a type of redwood

7. 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

8. The scientist used a _____ technique to study the cells at a microscopic level.
n. the scientific study of small structures or substances using microscopes, including the anatomical, physiological, and pathological aspects of cells, tissues, and organs

ANSWERS: 1. transportation, 2. Climate, 3. decide, 4. squished, 5. sophisticated, 6. sequoia, 7. structure, 8. microscopy

9. _____ a society is an organism.
adv. relating to the essential features or concepts of anything
10. _____ product is a leading cause of preventable deaths worldwide.
n. a plant grown for its leaves, which are dried and processed for smoking or chewing or extraction of nicotine
11. The city is known for its impressive _____ and beautiful old buildings.
n. the art and science of designing and constructing buildings
12. These synthetic _____ are used in military vests because of their excellent abrasion resistance.
n. cloth or other material produced by weaving wool, cotton, silk, etc., used for making clothes, covering furniture, etc.
13. Infant formulas are nutritionally almost _____ to a mother's breast milk.
adj. being the exact same one
14. 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
15. Anesthetize the gum before _____ the teeth.
n. a short passage taken from a book, piece of music, etc.; a substance obtained from something through a specific process; (verb) to obtain from something or to remove something by effort or force
16. After the accident, three governmental bodies _____ the company.
v. to oversee and control the operation or arrangement of something

ANSWERS: 9. Essentially, 10. Tobacco, 11. architecture, 12. fabrics, 13. identical, 14. injury, 15. extracting, 16. administer

17. You should keep away from _____ foods.

adj. containing a lot of fat

18. My father was tested for _____.

n. a medical condition in which the body cannot produce enough insulin to control the glucose levels in the blood

19. He walked into the party with an _____ dressed companion, causing everyone to stare.

adv. in a way that is unexpected, strange, or peculiar

20. X-ray inspection revealed many _____.

n. the breaking or cracking of a rigid material or object such as bone

21. There's a new _____ of hero in the movies now.

n. a type of product, service, etc., made by a particular company and sold under a specific name; identification mark on the skin of livestock, criminals, etc., made by burning

22. Nuclear _____ is a process in which atomic nuclei combine to form heavier nuclei.

n. the process of combining two or more things to form a single entity

23. It's important to _____ your strengths and weaknesses.

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

24. The elasticity of _____ allows insects like fleas to jump great distances compared to their size.

n. a rubber-like protein found in insects and some other animals, known for its highly elastic properties, enabling it to act as a shock absorber in certain body parts or structures, such as wings or joints

ANSWERS: 17. fatty, 18. diabetes, 19. oddly, 20. fractures, 21. brand, 22. fusion, 23. recognize, 24. resilin

25. The _____ student was anxious during the exam and made several careless mistakes.
adj. nervous, jittery, or prone to sudden movements or reactions; characterized by irregular or uneven movement or motion
26. The _____ of the famous hero stood proudly in the town square.
n. a sculpture of a person or animal, typically made of stone or metal, that is intended to represent the subject in a lifelike or symbolic way
27. That painting is my _____ and I inherited it from my grandmother.
n. the state or fact of owning or having something
28. The _____ crops were genetically modified to be resistant to pests.
adj. relating to or characterized by the transfer of genes from one species to another, typically done in genetic engineering and biotechnology
29. We must consume dietary _____ to maintain good health.
n. thread or filament used to make a vegetable tissue, mineral material, or textile
30. It is an incredible _____ to climb Mount Everest, the highest mountain in the world.
n. a notable or impressive achievement, especially one that requires great skill or bravery
31. 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
32. Human behavior has _____ characteristics.
adj. forming an essential base or core from which everything else develops or is affected

ANSWERS: 25. jumpy, 26. statue, 27. possession, 28. transgenic, 29. fiber, 30. feat, 31. biomaterials, 32. fundamental

33. The hospital received a donation of _____ for their research program.
n. a dead body, especially one used for scientific study or medical research
34. Their headquarters are in a _____ skyscraper.
adj. of or belonging to the present time or recent times
35. 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
36. He had to _____ the loose knob back onto the cabinet door.
v. to turn something, such as a bolt, with a driver or wrench to tighten or loosen it;
(noun) a cylindrical rod with a helical ridge used to fasten things together
37. He is like an exact _____ of his brother.
n. a plant or animal whose genetic information is identical to that of a parent organism from which it was created; an unauthorized copy or imitation
38. She _____ the money from her savings account to her checking account.
v. to move, pass, or change from one person, place, or situation to another
39. 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
40. We demand his _____.
n. the act of replacing something with something else, especially that is newer or better; a person or thing that takes or can take the place of another

ANSWERS: 33. cadavers, 34. modern, 35. gel, 36. screw, 37. clone, 38. transferred, 39. generation, 40. replacement

41. The farmer milked the _____ every morning before breakfast.
- n.* a domesticated mammal with characteristic features such as a hump, large udders, and curved horns that is raised for its milk or meat
42. The _____ effect is a phenomenon that happens naturally.
- n.* a building with walls and roof made chiefly of transparent material, such as glass, for growing plants in
43. _____ injuries are common among athletes.
- n.* a strong, fibrous cord of tissue that connects muscle to bone
44. The _____ in her heart was filled with the love of her family.
- n.* an empty space; a feeling of emptiness; (adjective) lacking any legal or binding force
45. She's a _____ pet owner who ensures her dog gets enough exercise and a healthy diet.
- adj.* answerable or accountable for something within one's power, control, or management
46. The company is set to _____ its new product line next month.
- v.* to send or propel something into the air or space using a device such as a rocket, missile, or spacecraft; to make something available or on sale for the first time
47. My boss wouldn't _____ of the plan.
- v.* to think that someone or something is favorable, acceptable, or appropriate; to officially accept a plan, request, etc.
48. Internet traffic volumes have increased significantly with the advent of _____.
- n.* a mobile phone that functions as a computer and connects to the Internet

ANSWERS: 41. cows, 42. greenhouse, 43. Tendon, 44. void, 45. responsible, 46. launch, 47. approve, 48. smartphones

49. This company has invested heavily in Internet _____.
- n.* the activity of buying and selling things, especially on a large scale
50. During pregnancy, the stomach generates less _____ than usual.
- n.* sour; water-soluble chemicals with a sour flavor; any of a variety of generally liquid compounds capable of reacting with and occasionally dissolving other materials
51. The carpenter applied _____ to the cabinet joints before nailing them together.
- n.* a sticky substance used for joining things together; a bonding agent made from animal or synthetic materials
52. The older man _____ from arthritis and finds it difficult to move around.
- v.* to experience pain, distress, or hardship; to undergo or endure something painful or unpleasant
53. _____ design has become more focused on human nature aspect than ever before.
- adj.* of or relating to or resulting from industry
54. The wall was made of hard _____ that had been used for centuries.
- n.* a rectangular block of baked clay used as a building material
55. These _____ are more prevalent above a certain latitude.
- n.* any small creature that has six legs and a body divided into three sections
56. The senator received _____ criticism from his opponent.
- adj.* extremely serious or bad in feeling, manner, or strict and harsh; extremely strong or vigorous

ANSWERS: 49. commerce, 50. acid, 51. glue, 52. suffers, 53. Industrial, 54. bricks, 55. insects, 56. severe

57. Economic factors and monetary policy _____ inflation.
- v. to increase the size, extent, quantity, etc. of something by adding something to it
58. The outermost _____ shell determines the chemical properties of an atom.
- n. a tiny particle with the negative electrical charge
59. The woods _____ the house.
- v. to accept something willingly and enthusiastically; (noun) the act of clasping another person in the arms as in greeting or affection
60. The _____ for applying for a visa can be lengthy and complicated.
- n. a series of actions or operations performed to achieve a particular outcome or goal; a systematic procedure or approach used to accomplish a specific task or objective; a method of treating milk to make it suitable for consumption or use in other dairy products
61. Our natural _____ production decreases as we age, leading to wrinkles, sagging skin, and joint pain.
- n. a fibrous protein that forms the connective tissues in animals, including skin, tendons, and bone; often used in cosmetic and medical treatments for its ability to add firmness and elasticity to skin or other tissues
62. The software can _____ and decode encrypted messages.
- v. to convert information into a code or format suitable for storage or transmission
63. She _____ the sore spot on her leg to ease the pain.
- v. to move one's hand or an object over the surface of something with pressure
64. He made a New Year's _____ to exercise more and eat healthier.
- n. a firm decision or determination to do or not do something; the action of solving a problem, dispute, or conflict; the quality of being resolved or determined; the clarity and sharpness of an image or display

ANSWERS: 57. augmented, 58. electron, 59. embrace, 60. process, 61. collagen, 62. encode, 63. rubbed, 64. resolution

65. The violent _____ caused widespread damage and injuries throughout the region.

n. a sudden and violent shaking of the ground caused by the movement of rock beneath the earth's surface

66. Life expectancy has grown _____ this century.

adv. in a very impressive manner

67. The exam was _____ tricky for everyone.

adv. in a way that causes amazement or wonder

68. The founding fathers fought for the _____ of the American people.

n. the state of being free within society from oppressive restrictions imposed by authority on one's way of life, behavior, or political views

69. He was known to be very _____ and would often work late into the night.

adj. hardworking, diligent, and persistent in effort

70. 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

71. Some herds have been observed to _____ hundreds of kilometers.

v. to make or be capable of making anything longer or broader without hurting or breaking

72. 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

ANSWERS: 65. earthquake, 66. dramatically, 67. surprisingly, 68. liberty, 69. industrious, 70. develop, 71. stretch, 72. implant

73. Doctors are gradually coming around to the idea of using _____ medicines.
n. one of two or more available possibilities or choice
74. Every human is responsible for taking care of the Earth's _____.
n. the natural world such as air, water, and land in which humans, animals, and plants live
75. The abandoned house was _____ for years, with vines growing all over it.
adj. not touched or disturbed by anyone or anything; not having been altered, changed, or affected in any way
76. She works as a sommelier at a prestigious _____ in Napa Valley.
n. a facility where grapes are processed, and wine is made and stored, often includes areas for tasting, tours, and sales
77. The _____ at the bottom of the river was a toxic hazard for marine life.
n. a thick, wet mixture of liquid and solid matter, typically one that is unpleasant or harmful
78. The surgeon carefully confirmed how to remove the tumor to avoid damaging the _____ nerves.
adj. of or relating to the spine (= the long bone in the body's back)
79. The body needs a certain amount of _____ to build and repair tissues.
n. a molecule made up of a long chain of amino acids, which is essential for the structure and function of the body's tissues
80. The car was completely _____ in the accident.
v. to press it firmly, usually with your hands or a tool, so that it becomes flat or smaller

ANSWERS: 73. alternative, 74. environment, 75. untouched, 76. winery, 77. sludge, 78. spinal, 79. protein, 80. crushed

81. In junior high school, we had to dissect a frog in _____ class.
- n.* the scientific study of life and the natural processes of living things
82. 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
83. The president began to _____ an army.
- v.* to collect in one place as a single group
84. This suit is made of _____ material.
- n.* a small line or fold in something, especially fabric or the skin of the face; a minor difficulty
85. The stress of the job caused him to develop an _____ in his stomach.
- n.* a sore or erosion in the skin or mucous membrane, often caused by infection or inflammation; a persistent, painful cavity in the stomach or intestinal wall that can lead to digestive problems
86. 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
87. A deficiency in the _____ can lead to a medical condition.
- n.* a substance produced by a living organism that acts as a catalyst to bring about a specific biochemical reaction
88. The _____ disease caused a severe outbreak in the city.
- n.* a small, agile, wingless, and parasitic insect that feeds on the blood of mammals and birds

ANSWERS: 81. biology, 82. surgery, 83. assemble, 84. wrinkle-proof, 85. ulcer, 86. valve, 87. enzyme, 88. flea-borne

89. This exam requires excellent _____ to pass.
- n.* the ability to focus all your time and energy on one thing without thinking about anything else.
90. Advocates for legal reform hear less harsh words from their _____.
- n.* someone who expresses opinions about the quality of books, music, etc.
91. She holds a _____ on Tuesday mornings.
- n.* a building or hospital department where people can go for medical care or advice, especially of a particular condition
92. This evidence will form the _____ for our discussion.
- n.* the most important facts, ideas, or events from which something is developed; the way how things are organized or arranged
93. The museum's new exhibition is a _____ of contemporary art.
- n.* a display or exhibition of something, typically as a way of promoting it
94. The _____ in the knee provide stability and support.
- n.* a band of tissue that connects bones or holds organs in place to support and stabilize the body
95. Truth is stranger than _____.
- n.* the type of book or story, especially novels, that describes imaginary events and people; anything made up or imagined that is not true
96. 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

ANSWERS: 89. concentration, 90. critics, 91. clinic, 92. basis, 93. showcase, 94. ligaments, 95. fiction, 96. patient's

97. 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

98. Health and _____ are, above all, gold.

- n.* the quality or state of being physically, or sometimes mentally, strong

99. Hydrogen and oxygen _____ to form water.

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

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

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

101. They study the _____ of the universe.

- n.* a gradual process of transformation of living things

102. The focus of these initiatives is to make the financial system more _____.

- adj.* easy to perceive, detect, or understand; (of a material or article) permitting light to pass through freely

103. During _____ farmers are incredibly busy.

- n.* yields of plants in a single growing season; the period of the year when gathering occurs on a farm

104. The animal rights group worked to _____ the dolphins back into the wild.

- v.* to set free or allow to escape from confinement

105. 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

ANSWERS: 97. cotton, 98. strength, 99. combine, 100. mechanical, 101. evolution, 102. transparent, 103. harvest, 104. release, 105. transplant

106. Cellulose is a structural _____ found in the cell walls of plants.
n. a simple sugar or carbohydrate; any compound that can be hydrolyzed to yield sugars
107. The _____ concert was packed with fans.
adj. existing or remaining upright; having a vertical position; (noun) social, financial, or professional status or reputation
108. _____ diamonds play an essential role as machine tool blades.
adj. made by combining chemical substances as opposed to being naturally occurring
109. The _____ team worked quickly to save the patient's life.
adj. relating to the treatment of illness or injuries; relating to the practice of medicine
110. The Jewish people strongly connect to _____ as a symbol of their homeland and identity.
n. a term used in the Bible to refer to the hill in Jerusalem, which is the symbolic center of Jewish worship and identity; in a broader sense, Zion sometimes refers to the Jewish people, the land of Israel, or the idea of a promised homeland for the Jewish nation
111. These birds can only _____ in temperate climates.
v. to live or exist despite a dangerous event or period
112. The number of COVID cases continued to _____ in many countries worldwide.
v. to grow or increase rapidly in number; to reproduce or spread rapidly, especially in an uncontrolled manner

ANSWERS: 106. saccharide, 107. standing, 108. Synthetic, 109. medical, 110. Zion, 111. survive, 112. proliferate

113. The geologist found a beautiful specimen of a _____ mineral.
adj. resembling crystal in clarity, transparency, or brilliance; having a highly ordered and symmetrical molecular structure
114. 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
115. The _____ mountains make the city difficult to be invaded.
adj. that is near or around, or closely encircling something
116. The European Central Bank is Europe's _____ of the Federal Reserve.
n. having the same value, quality, meaning, purpose, etc.
117. They need food and _____.
n. a structure built to protect from poor weather, danger, or attack; (verb) to protect or shield from harm or adversity, particularly relating to environmental conditions or danger
118. The _____ content in fruits and vegetables contributes to their dietary fiber.
n. a complex carbohydrate that is the main structural component of plant cell walls and fibers; a substance used to make paper, textiles, and other materials
119. The _____ layer contains nerve endings, which enable us to feel sensations such as pressure and pain.
n. the layer of skin beneath the epidermis that contains blood vessels, nerves, and connective tissue
120. This bridge is the third largest _____ bridge in the world.
n. a strong metal alloy made up of iron with typically a few tenths of a percent of carbon used for making things that need a strong structure

ANSWERS: 113. crystalline, 114. tissue, 115. surrounding, 116. equivalent, 117. shelter, 118. cellulose, 119. dermis, 120. steel

121. The company has made great strides in its _____ toward sustainability.
n. the act or process of changing to the next stage or phase or moving forward
122. By remaining neutral, this _____ continued to exist.
n. the country ruled by a king or queen
123. The book was _____ difficult to follow but still worth reading.
adv. used to acknowledge a fact or statement, often one that weakens or contradicts an argument or opinion; concededly
124. She _____ a quick picture of the beautiful sunset before it disappeared.
v. to record on photographic film; to make a sudden, sharp sound; (noun) the act of catching an object with the hands
125. The golfer recorded an _____ distance.
adj. extremely surprising, especially in a way that you like or admire
126. 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
127. The skin of a snake is remarkably _____ allowing it to slither through tight spaces.
adj. flexible, resilient, or adaptable; (noun) a stretchy material or band that can be stretched and then returned to its original shape; something that is flexible and adaptable
128. His body rejected the liver of the _____.
n. a person or an organization that makes a gift of money, food, supplies, etc. to a cause or fund; in medicine, a person who gives blood or tissue or an organ to be used in another person

ANSWERS: 121. progression, 122. kingdom, 123. admittedly, 124. snapped, 125. amazing, 126. scaffold, 127. elastic, 128. donor

ANSWERS: