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Vocabulary Builder Reference from...

Willard Wigan: Hold your breath for micro-sculpture | TED Talk

https://www.ted.com/talks/willard_wigan_hold_your_b reath_for_micro_sculpture



All Words

IMPORTANT

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Session 1: Word List

reflection

n. the act of thinking deeply about something, or the ability to think deeply; the image of something that is seen in a mirror or other reflective surface

synonym: contemplation, meditation, consideration

(1) **reflection** question, (2) photon **reflection**The teacher asked the students to write a **reflection** on the book they had just read.

academic

adj. associated with schools, colleges, and universities, especially studying and thinking, not with practical skillssynonym: educational, scholarly, theoretical

(1) **academic** probation, (2) an **academic** discussion

An excellent historian must possess an **academic** mentality.

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.

retreat

 the act of moving back or withdrawing from a position or situation; a period of rest or relaxation away from work or everyday life

synonym: escape, withdrawal, vacation

(1) **retreat** deeper into their territory, (2) **retreat** in a mountain region

Many people go on a **retreat** to recharge and reconnect with themselves.

shed

to get rid of something as superfluous or unwanted; to cast off hair, skin, horn, or feathers; (noun) an outbuilding with a single story, mainly used for shelter or storage

synonym: discard, drop, cast off

(1) shed an old skin, (2) a cow shed

He **shed** a secret tear when he heard the news of his friend's death.

suspect

- to consider anything to be actual or probable synonym: assume, distrust, surmise
- (1) **suspect** a plot, (2) **suspect** that he is sick The cops **suspected** him of being the killer.

jerry

adj. a slang term referring to something that is improvised, makeshift, or of poor quality; jerry-rigged

synonym: deceptive, deceitful, dishonest

(1) **jerry-built** foundation, (2) **jerry-made** toy

The **jerry-rigged** repair was only a temporary solution to the problem.

grab

to take hold of something or someone suddenly with a hand, especially in a violent way

synonym: clutch, snatch, grasp

(1) **grab** an audience, (2) **grab** an opportunity Shall we **grab** a bite to eat?

lift ν.

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

position

synonym: raise, elevate, move up

(1) **lift** sagging skin, (2) **lift** a ban on alcohol The drought **lifted** the prices of grain globally.

ridicule

n. speech or behavior that makes fun of or mocks someone or something; teasing, sarcasm, or scornful remarks that are intended to belittle or humiliate; (verb) to mock, criticize, or make fun of someone or something in a scornful or derisive way

synonym: derision, mockery, satire

(1) public **ridicule**, (2) **ridicule** at his expense The **ridicule** from his classmates made him feel embarrassed and ashamed.

obvious

adj. easy to see, discover or understand synonym: apparent, conspicuous, evident

- (1) **obvious** reasons, (2) his conclusion was **obvious** There are **obvious** differences between the two wine-producing regions.
- ant n. a very small insect that lives under the ground or in a mound in highly organized groups

synonym: pismire, insect

(1) a white ant, (2) ant bite

We can find many large ant mounds in this area.

fantasy

a fiction with a large amount of imagination in it; a
pleasant situation that you imagine but that is unlikely to
happen

synonym: fiction, illusion, fabrication

(1) **fantasy** novel, (2) confuse **fantasy** with reality Composition by artificial intelligence is no longer a **fantasy**.

apartment

 a self-contained living unit within a larger building or complex, typically consisting of one or more rooms or an open space used for living, cooking, and sleeping synonym: flat, dwelling, unit

(1) rented **apartment**, (2) furnished **apartment**I am seeking a spacious **apartment** with a balcony and a parking spot.

splinter

n. a small, thin, sharp piece of wood, glass, or other material that has broken off from a larger piece; a fragment or small piece that has separated from something larger

synonym: shard, fragment, sliver

(1) splinter cell, (2) remove a splinter

The car window shattered into a million little **splinters** during the crash.

slice

 a flat, often thin, piece of bread, meat, cheese, etc., that has been cut from a larger piece; a wound made by cutting

synonym: piece, portion, slit

(1) a **slice** of the company's revenue, (2) **slice** a tomato thin The children complained because one **slice** of cake was slightly larger than the other.

shard

 a small, sharp piece of something that has been broken, especially a material like glass, pottery, or metal

synonym: break, fragment, shatter

(1) broken shard, (2) shard of pottery

The artist used a **shard** of glass to create intricate designs on her sculptures.

construct

v. to build or create something; to assemble or combine different parts to form something whole

synonym: build, assemble, create

(1) **construct** a 3D image, (2) **construct** a dam He **constructs** hypotheses that no mathematician has ever imagined before.

shanty

 a small, crudely built, usually temporary house or dwelling; often used to describe a rough or inexpensive structure

synonym: shack, hut, cabin

(1) **shanty-style** lodging, (2) makeshift **shanty**The beach **shanty** provided temporary shelter for the

stranded tourists.

fin

 a thin flat part on the body of a fish or other aquatic animal used for propulsion or balance

synonym: flipper, appendage, stabilizer

(1) back fin, (2) a fin of a plane

The shark's powerful **fins** allowed it to swim at high speeds.

probable

adj. likely to happen or likely to be true *synonym*: likely, possible, potential

(1) **probable** outcome, (2) **probable** cause of a fire It seems **probable** that he has forgotten our scheduled meeting.

crude

adj. being in an unrefined or natural state; (noun) the unprocessed form of oil

synonym: unrefined, native, vulgar

(1) price of **crude** oil, (2) **crude** manners

His **crude** jokes made her angry.

merry

adj. cheerful and lively, often with a sense of joyfulness or celebration; characterized by a happy or festive mood

synonym: jolly, happy, cheerful

(1) merry-making, (2) merry laughter

We had a **merry** time at the Christmas party, singing carols and drinking eggnog.

seesaw

 a long, narrow board balanced on a fulcrum or pivot point, often used as a toy or play equipment in a children's playground

synonym: teeter-totter, balance board

(1) seesaw motion, (2) seesaw effect

The children played on the **seesaw** in the park.

lad

 a young boy or man, often used in an informal or affectionate way

synonym: boy, youth, youngster

(1) working-class lad, (2) local lad

The older man gave the young lad some helpful life advice.

encourage

v. to give someone support, confidence, or hope; to persuade someone to do or continue to do something by making it easier for them and making them believe it is a good thing to do

synonym: facilitate, persuade, stimulate

(1) **encourage** a sense of affinity, (2) **encourage** antisocial behavior

They **encouraged** customers with a premium for loyal patronage.

discovery

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

synonym: finding, uncovering, detection

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

Her research team made an important discovery.

experiment

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

synonym: experimentation, investigation

(1) **experiment** design, (2) series of **experiments** His **experiments** showed highly positive results.

educate

v. to provide or receive instruction or training over a period of time at a school, university, etc.

synonym: instruct, teach, train

(1) educate student, (2) educate public

The school's mission is to **educate** young children and prepare them for the future.

molecular

adj. of or relating to molecules (= a group of two or more atoms held together by attractive forces known as chemical bonds)

synonym: microscopic, atomic

(1) **molecular** structure, (2) **molecular** biology **Molecular** weight is the sum of all the atoms.

gentle

adj. having or showing a kindly or tender nature; soft and mild

synonym: mild, delicate, soft

(1) in a **gentle** voice, (2) **gentle** downward slope Her **gentle** manner relaxed everyone there.

commit

v. to do something illegal or wrong

synonym: engage, carry out, execute

(1) commit suicide, (2) commit mistakes

The military has **committed** an abuse of human rights.

peter

v. to fail or lose power, efficiency, or value gradually before coming to an end

synonym: decrease, drop, lower

(1) eventually **peter** out, (2) begin to **peter** out. The music just **petered** out.

underneath

adv. under or below something else

synonym: below, under, beneath

(1) **underneath** the surface of the water, (2) **underneath** the laughter

The penny fell **underneath** the piano.

microscope

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

synonym: lens, magnifier, eyepiece

(1) microscope slide,	(2) electron microscope
I used an optical micro	scope to observe the small organisms
in the water sample.	

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.

jagged

adj. having a rough and sharply uneven surface or outline synonym: bumpy, irregular, craggy

(1) **jagged** edges, (2) the **jagged** outline of the crags There are several **jagged** limestone peaks throughout the mountains.

frame

- a strong border or structure of the wood, metal, etc. that surrounds something such as a picture, door, or window synonym: body, skeleton, scaffolding
- (1) a picture **frame**, (2) the **frame** of the policy The detective looked for fingerprints on the window **frame**.

fiber

 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.

beneath

adv. in or to a lower place than someone or somethingsynonym: down, under, low

(1) the ground **beneath** my feet, (2) **beneath** contempt A great stretch of the lake lay **beneath** them.

sharpen

 to make something, usually a blade or point, sharp or sharper; to enhance or improve the clarity, focus, or effectiveness of something

synonym:

hone, enhance, improve

(1) **sharpen** your focus, (2) **sharpen** a pencil

I must **sharpen** my knives before cooking to ensure precise and efficient cutting.

needle

 a thin, pointed object typically used for sewing or medical purposes; a metal or plastic instrument used for administering injections or drawing blood

synonym: thorn, spike, pin

(1) **needle** prick, (2) sewing **needle**

The acupuncturist inserted **needles** into specific points on my body to alleviate my pain.

blade

 the flat part of a knife, weapon, or machine with a very thin edge used for cutting

synonym: knife, sword, cutter

(1) a **blade** of grass, (2) the **blade** of a turbine

The **blade** of the katana itself is still in excellent condition.

nervous

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

synonym: neural, anxious, uneasy

(1) development of the **nervous** system, (2) get **nervous** He suffers from **nervous** breakdowns.

heartbeat

 the regular movement or sound of the heart as it sends blood around the body; an animating or vital unifying force

synonym: beat, pulse, force

(1) **heartbeat** abnormality, (2) a pounding **heartbeat** New York is the commercial **heartbeat** of America.

inhale

- v. to breathe in air or a different substance, such as smoke synonym: breathe in, take in, draw in
- (1) **inhale** the smoke, (2) **inhale** the aroma He **inhaled** deeply, trying to calm down.

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.

tweeze

v. to pluck or remove hairs, particularly from the face or other sensitive areas, using a pair of tweezers (= a small hand-held tool used for grasping and manipulating small objects with precision) or other specialized tools

synonym: pluck, pull out, extract

(1) tweeze unwanted hair, (2) tweeze hairs

She carefully tweezed the stray eyebrow hairs.

clip

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

synonym: buckle, hook, pin

(1) tie clip, (2) short video clip

He fastens some sheets of paper with a **clip**.

groove

 a long, narrow cut or depression in a hard material or surface; a particular style of popular music characterized by a strong and repetitive rhythm

synonym: rut, channel, furrow

(1) **groove** on the dance floor, (2) get into the **groove** The band played a smooth **groove** that got everyone dancing.

friction

n. the force that opposes motion between two objects in contact, especially by producing heat and wear, and is proportional to the normal force between the objects

synonym: rub, scrape, resistance

(1) friction force, (2) surface friction

The **friction** between the two countries was causing tension.

instrument

 an object used to make musical sounds, such as a piano, guitar, or drum; a tool or device used for a specific activity, particularly in specialist or scientific work

synonym: apparatus, tool, device

(1) musical **instruments**, (2) surgical **instruments**This electronic **instrument** is required to undergo periodic inspections to ensure precision.

catapult

- n. a device used to hurl an object a long distancesynonym: launcher, trebuchet, slingshot
- (1) powerful **catapult**, (2) **catapult** mechanism

 The army used a **catapult** to launch large rocks over the castle walls.

atmosphere

- n. the mass of air that surrounds the Earth; the pervading tone or mood of a place, situation, or creative worksynonym: air, ambiance, circumstances
- (1) carbon dioxide in the **atmosphere**, (2) a convivial **atmosphere**

The spaceship began to burn up as it approached the Earth's atmosphere.

breath

the air that is taken into and expelled from your lungs;
 the process of taking into and expelling air from your lungs

synonym: air, puff, whiff

(1) hold your breath, (2) breath of windHe bated his breath when talking about this affair.

sculpture

 the art of creating three-dimensional objects or forms, typically by carving, modeling, or casting in a variety of materials such as stone, wood, metal, or clay

synonym: statuary, carving, modeling

(1) create **sculpture**, (2) abstract **sculpture**The ancient Greek **sculptures** are known for their realism and attention to detail.

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.

beam

 a long, sturdy piece of timber, metal, or other material used to support a structure or span a distance; a ray or stream of light emitted by a source

synonym: ray, ray of light, shaft of light

(1) **beam** of light, (2) a structural **beam** of a building The sun's **beam** shone through the window and illuminated the room.

balcony

 a platform projecting from the wall of a building and surrounded by a railing, providing an outdoor space

synonym: terrace, veranda, deck

(1) balcony view, (2) balcony seating

They enjoyed a romantic dinner on the **balcony** overlooking the city.

spider

 a small, eight-legged creature that spins webs to catch insects as food; a computer program that systematically browses the World Wide Web for purposes of web indexing

synonym: arachnid, wanderer

(1) spider venom, (2) web spider

The **spider** spun an intricate web in the corner of the room.

attach

- v. to fasten, join, or connect one thing to another synonym: fix, fasten, bind
- (1) **attach** firmly, (2) **attach** a file to an e-mail He does not **attach** importance to these rumors.

insane

adj. extremely stupid, crazy, or dangerous; mentally ill synonym: crazy, mad, foolish

(1) go **insane** with pleasure, (2) an **insane** scheme Her excessive demands drove me **insane**.

occupy

- v. to consume all of someone's space, attention, or time synonym: inhabit, settle, populate
- (1) **occupy** his time, (2) **occupy** a position The young prince will soon **occupy** the throne.

mite

 a tiny arachnid-like creature that is related to ticks and spiders and often lives as a parasite on plants or animals

synonym: speck, insect

(1) house dust **mite**, (2) a **mite** of evidence

The **mite** infestation in the old house was a serious problem for the residents.

argument

 a set of statements or reasons used to support or refute a proposition or theory; a verbal or physical fight or dispute

synonym: debate, discourse, discussion

(1) a blazing **argument**, (2) the **argument** against capital punishment

The **argument** between the two sides over the proposed policy was heated.

argue

v. to express differing opinions or points of view, often in a heated or contentious manner; to present a case or reasoning to persuade or convince others

synonym: debate, dispute, quarrel

(1) argue a case, (2) argue passionately

The couple began to **argue** over which restaurant to go to for dinner.

warn

v. to make someone aware of potential danger or difficulty, particularly one that may occur in the future

synonym: alert, caution, admonish

(1) warn a reckless driver, (2) warned me of the plan

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I attempted to warn him, but he ignored me.

nylon

- a synthetic material used for making clothes, ropes, brushes, etc.
- (1) **nylon** cloth, (2) **nylon** thread

We supply the military with durable vests made of **nylon**.

pluck

to pull or draw something, especially with sudden force or effort; to strip of feathers

synonym: grab, pull out, pick

(1) pluck a gray hair, (2) pluck out weeds She **plucked** the flowers off the bush.

slight

adj. very small in degree or amount synonym: feeble, nuanced, subtle

(1) feel a slight concern, (2) slight increase We made **slight** modifications to reflect the views of both sides.

process

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.

manipulate

to influence or control something or someone to your advantage, often in an unfair or dishonest way

synonym: control, exploit, abuse

- (1) manipulate figures, (2) vulnerable to manipulate Please tell me how to **manipulate** this computer.
- a fence or other obstruction that makes it hard to move barrier n. or get in; any condition that makes it difficult to make

progress or to achieve an objective

synonym: border, barricade, fence

(1) cost barrier, (2) information barrier

The police placed a **barrier** across the street to halt traffic.

cellophane

a thin, transparent material made from cellulose,
 commonly used as a packaging material or for wrapping items

synonym: plastic wrap, cling film, polyethylene film

(1) **cellophane** wrapper, (2) **cellophane** packaging She wrapped the gift in colorful **cellophane** paper.

moving

adj. causing strong emotions or feelings, especially sadness or sympathy

synonym: emotional, poignant, touching

(1) **moving** experience, (2) **moving** ceremony

His **moving** speech about his struggles with addiction brought tears to the audience's eyes.

static

adj. not moving or not capable of moving, not changing or not capable of changing

synonym: immobile, unchanging, fixed

(1) **static** electricity, (2) **static** website

The **static** image on the screen took a lot of work to make out.

electrify

v. to make a machine or system work by using electricity; to make someone extremely enthusiastic about or interested in something

synonym: wire, amaze, astonish

(1) **electrify** the audience, (2) **electrify** a manufacturing process

The product developed through years of research continues to **electrify** the market.

interfere

to get involved in and prevent a process or activity from continuing

synonym: interpose, interrupt, hamper

(1) **interfere** in another country's affairs, (2) **interfere** with DNA synthesis

Your talking **interferes** with my work.

sweat

the salty liquid that is produced by the glands in the skin, especially when the body is hot or under stress

synonym: perspiration, steam, hardwork

(1) all in a **sweat**, (2) **sweat** bath

She wiped the **sweat** off her forehead with a towel.

drip

to fall in drops or make it fall in drops; (noun) liquid or moisture that falls in drops

synonym: drop, drizzle, trickle

(1) **drip** liquid, (2) **drip** from the vicious wound Water is **dripping** from the faucet.

carve

to create something by cutting wood or stone; to turn sharply

synonym: sculpt, engrave, cut

(1) carve a statue, (2) carve my name on the plate This statue is **carved** from a single tree trunk.

sculpt

to create a work of art by carving, casting, or other shaping techniques

synonym: carve, mold, shape

(1) **sculpt** an image, (2) **sculpt** prototype

He spent hours every day **sculpting** figures out of clay.

paintbrush

a tool used for applying paint or other liquid substances n. to a surface, typically consisting of bristles or synthetic fibers attached to a handle

synonym: brush, bristle brush, artist's brush

(1) paintbrush stroke, (2) paintbrush icon

She used a flat **paintbrush** to apply the final touches to the

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insect

- 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.

creature

n. a living being, especially an animal

synonym: being, animal, organism

(1) creature of habit, (2) artificial creature

The deep sea **creature** was unlike anything the scientists had ever seen before.

hymn

 a song of praise or worship, especially one in a religious service or ceremony

synonym: psalm, song, religious song

(1) a sacred hymn, (2) hymn tune

The congregation sang the **hymn** during the service.

blob

 a small amount or drop of a thick liquid or sticky substance

synonym: chunk, lump, hunk

(1) a big **blob** of yellow, (2) a **blob** of jelly

A **blob** of ink fell on the floor.

suppose

- v. to think that something is likely to be actual or possible synonym: guess, assume, presume
- (1) **suppose** you're right, (2) **suppose** beforehand What do you **suppose** the culprit's motive was?

approximately

adv. close to a specific number or time but not exactly that number or time

synonym: about, around, roughly

(1) **approximately** 3 feet long, (2) **approximately** same This trail takes **approximately** 2.5 hours.

rough

adj. not quite exact or correct; having or caused by an irregular surface

synonym: inelegant, coarse, barbarian

(1) rough and tough, (2) rough estimation

The vehicle bounced along the **rough** mountain road.

estimate

v. to guess or calculate the cost, size, value, etc. of something

synonym: calculate, gauge, evaluate

(1) **estimate** a fair value, (2) **estimate** this chicken to weigh three pounds

We **estimated** the season's total trade deficit at \$50 billion.

anticipate

v. to expect or predict that something will happen; to tell in advance

synonym: forecast, predict, expect

(1) **anticipate** your kind cooperation, (2) **anticipate** a black future

We anticipate heavy snowfall tomorrow.

aphid

 a tiny insect that feeds on the sap of plants and can cause damage or diseases to plants, often found in large colonies

synonym: plant louse, greenfly, blackfly

(1) aphid infestation, (2) aphid control

The aphids were eating all the leaves of my tomato plants.

quarter

- n. one of four equal parts; a fourth part or portionsynonym: fourth, one-fourth
- (1) a **quarter** mile, (2) end of the first **quarter**The unemployment rate in the first **quarter** was 2.3 percentage points higher than in the previous.

chariot

- a two-wheeled horse-drawn battle vehicle used in ancient Egypt, Greece, and Rome for warfare and racing
- (1) chariot builder, (2) chariot race

The ancient Romans enjoyed spectating **chariot** races.

sunlight

- n. the light emitted by the sun; the rays of the sun synonym: daylight, rays, sunshine
- (1) a glare of **sunlight**, (2) in direct **sunlight**Radiation from **sunlight** has a different wavelength.

normally

adv. usually; under normal conditionssynonym: commonly, generally, naturally

(1) complete normally, (2) not normally drink muchI don't normally take a vacation in the middle of summer.

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.

mad

adj. insane, especially due to a mental illness; very angry synonym: crazy, insane, furious

(1) a **mad** person, (2) gets **mad** easily He was **mad** with joy to see the results.

flake

 a small, thin piece or layer of something, often with a flat or irregular shape; a person who is unreliable or inconsistent

synonym: chip, bit, shred

(1) flakes of snow, (2) flake graphite

She found a paint **flake** on the wall and realized it was time to repaint the room.

rein

n. a long, narrow strap attached to a horse's bit, used to control the animal while riding; a means of controlling or limiting something or someone's actions and behavior; (verb) to control or restrain something, especially something that is becoming excessive or out of control synonym: strap, harness, headstall

(1) tight rein, (2) rein in costs

The new driver struggled to keep a firm grip on the **rein** as the horse bolted.

symmetrical

 adj. having similarity in size, shape, and relative position of corresponding parts

synonym: harmonious, balanced, proportional

(1) symmetrical triangle, (2) symmetrical pattern

This figure is **symmetrical** about the x-axis.

rear

adj. at, toward, or near the back part of something; (verb) to look after a child until it is an adult

synonym: back, end, behind

(1) the **rear** gate, (2) **rear** children

The player quickly went to the **rear** side of the defender.

statue

 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.

torch

 a portable device that produces a flame, typically one that is used to light a fire or a candle

synonym: flashlight, lantern, flare

(1) the **torch** of learning, (2) **torch** song

She used an electric **torch** to light her way through the dark cave.

grain

 wheat or any other small hard seeds used as a food; a relatively small granular particle of a substance

synonym: seed, piece, cereal

(1) a grain of sand, (2) flour made from grain

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Ordinary air purifiers cannot adequately remove pollen grains.

sand

n. finely granulated particles of rock or mineral material typically found along beaches, deserts, or riverbeds; used in construction, landscaping, and other applications requiring drainage or abrasive action

synonym: grit, dust, powder

(1) sand dunes, (2) sand castle

The **sand** on the beach was warm and golden.

microscopic

adj. tiny; exceedingly precise and detail-oriented; of or used in microscopy

synonym: infinitesimal, tiny, atomic

(1) **microscopic** inquiry, (2) **microscopic** analysis Inspectors noticed **microscopic** cracks in the submarine's hull.

diamond

 a precious stone made from pure carbon, typically transparent and colorless but possibly tinted in various colors; a shape or arrangement resembling the geometric form of a diamond

synonym: gemstone, jewel, precious stone

(1) diamond ring, (2) diamond necklace

The engagement ring was adorned with a large, sparkling diamond.

hulk

n. a large, abandoned, and decaying structure or object, often referring to a ship or building; a person or animal who is large and clumsy or who appears physically imposing but lacks strength or agility

synonym: wreck, ruins, giant

(1) **hulk** of a warehouse, (2) **hulk-like** strength The shipwreck's **hulk** lay scattered along the shore.

movement

n. a group of people working together to achieve a shared goal, especially a political, social, or artistic one; the

process of moving or being moved, physically or figuratively

synonym: motion, progression, action

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

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

thread

n. a fine cord of natural or synthetic fibers or filaments, such as cotton or nylon, used in sewing, knitting, or weaving; a series of connected messages or comments on a social media platform or online forum, often related to a particular topic; a sequence or line of events, ideas, or actions that are connected or related; (verb) to pass a thread through a needle or other small opening, in preparation for sewing or stitching

synonym: filament, string, yarn

(1) thread a catheter, (2) start a new thread

The detective followed a **thread** of clues which ultimately led to the suspect's arrest.

shove

- v. to push someone or something in a rough way synonym: push, jab, elbow
- (1) **shove** a person aside, (2) **shove** hamburger into my mouth

He forcibly **shoved** the flyer into my bag.

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.

grimace

to make a facial expression that shows pain, disgust, or discomfort; (noun) a facial expression that shows pain or disgust, marked by wrinkling of the forehead, tightness of the face, and twisting of the mouth synonym: frown, scowl, sneer

(1) grimace in pain, (2) try to hide a grimace

I couldn't help but **grimace** when I tasted the sour milk in my cereal.

micron

 a unit of measurement equal to one-millionth of a meter, used for measuring the size of particles and microorganisms

synonym: micrometer

(1) **micron** measurements, (2) **micron** imaging

The width of a single human hair is around 100 microns.

rig

to prepare or set up something in a certain way, typically in a carefully planned or fraudulent manner; to equip with sails or masts

synonym: set up, prepare, arrange

(1) **rig** an election, (2) **rig** a ship with new sails

He **rigged** the game so he could win the prize.

strand

a very thin natural or synthetic thread, wire, hair, etc.;
 (verb) to leave or drive a vessel, fish, etc., aground or ashore

synonym: fiber, filament, string

(1) a **strand** of fine hair, (2) double- **strand** DNA I heard several melodic **strands** simultaneously.

plank

n. a long, flat piece of wood or other material that is used for construction or as a platform; an exercise in which a person holds their body in a straight line supported by their hands and toes

synonym: board, timber, beam

(1) oak plank, (2) plank exercise

He was ordered to walk the **plank** by the pirate captain.

surgery

 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.

operate

- to work in a particular way; to supervise something synonym: work, use, employ
- (1) operate 24 hours a day, (2) manually operate a machine

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

particle

- a small piece of something; a word or piece of a term with grammatical function but little or no significance synonym: atom, grain, bit
- (1) charged particle, (2) particle energy We can calculate the position of the **particles** statistically.

scraping

the act of removing a thin layer of material from a n. surface, often to clean or smooth it; a sound or sensation that is produced by something being removed or rubbed against another surface; (of computer technology) the automated extraction or collection of data from websites

synonym: abrading, scratching, rubbing

(1) scraping tools, (2) metal scraping

The **scraping** sound coming from the engine made us worry about the car's condition.

painstaking

adj. cautious and correct, and requiring a significant amount of effort

synonym: detailed, meticulous, conscientious

- (1) painstaking research, (2) a painstaking student The training of a hawk was a **painstaking** process.
- the process, materials, or container used to wrap or contain a product for distribution, storage, or sale; the

packaging

design or appearance of a product's packaging *synonym*: wrapping, packing, boxing

(1) **packaging** materials, (2) biodegradable **packaging** The **packaging** for the fragile items was made of sturdy materials and could withstand rough handling during shipping.

Session 2: Spelling

1. g__e stick

2. carbon dioxide in the atm____re

3. all in a sw t

4. a gr_n of sand

create sc____re

6. ca____lt mechanism

7. sh e hamburger into my mouth

8. es____te a fair value

9. in tantenna

10. st c website

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

 the mass of air that surrounds the Earth; the pervading tone or mood of a place, situation, or creative work

n. the salty liquid that is produced by the glands in the skin, especially when the body is hot or under stress

wheat or any other small hard seeds used as a food; a relatively small granular particle of a substance

n. the art of creating three-dimensional objects or forms, typically by carving, modeling, or casting in a variety of materials such as stone, wood, metal, or clay

n. a device used to hurl an object a long distance

v. to push someone or something in a rough way

v. to guess or calculate the cost, size, value, etc. of something

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

adj. not moving or not capable of moving, not changing or not capable of changing

ANSWERS: 1. glue, 2. atmosphere, 3. sweat, 4. grain, 5. sculpture, 6. catapult, 7. shove, 8. estimate, 9. insect, 10. static

a small piece of something; a word or 11. charged pa le n. piece of a term with grammatical function but little or no significance to fail or lose power, efficiency, or value 12. begin to pe rout ν. gradually before coming to an end 13. sc____ng tools the act of removing a thin layer of n. material from a surface, often to clean or smooth it; a sound or sensation that is produced by something being removed or rubbed against another surface; (of computer technology) the automated extraction or collection of data from websites 14. the ground be___h my feet adv. in or to a lower place than someone or something a tiny insect that feeds on the sap of 15. ap d control n. plants and can cause damage or diseases to plants, often found in large colonies adj. insane, especially due to a mental 16. a m d person illness; very angry 17. mo____nt of troops a group of people working together to n. achieve a shared goal, especially a political, social, or artistic one; the process of moving or being moved, physically or figuratively 18. cr h a revolt to press it firmly, usually with your hands or a tool, so that it becomes flat or smaller a thin flat part on the body of a fish or 19. back f n n. other aquatic animal used for propulsion or balance

ANSWERS: 11. particle, 12. peter, 13. scraping, 14. beneath, 15. aphid, 16. mad, 17. movement, 18. crush, 19. fin

20.	artificial crr	re	n.	a living being, especially an animal
21.	rented ap	nt	n.	a self-contained living unit within a larger building or complex, typically consisting of one or more rooms or an open space used for living, cooking, and sleeping
22.	sct prototype	e	<i>v</i> .	to create a work of art by carving, casting, or other shaping techniques
23.	oak plk		n.	a long, flat piece of wood or other material that is used for construction or as a platform; an exercise in which a person holds their body in a straight line supported by their hands and toes
24.	working-class I_	d	n.	a young boy or man, often used in an informal or affectionate way
25.	undth the water	surface of the	adv.	under or below something else
26.	tight rn		n.	a long, narrow strap attached to a horse's bit, used to control the animal while riding; a means of controlling or limiting something or someone's actions and behavior; (verb) to control or restrain something, especially something that is becoming excessive or out of control
27.	gb an audienc	ce	<i>v</i> .	to take hold of something or someone suddenly with a hand, especially in a violent way
28.	h_k-like strengt	th	n.	a large, abandoned, and decaying structure or object, often referring to a ship or building; a person or animal who is large and clumsy or who appears physically imposing but lacks strength or agility

ANSWERS: 20. creature, 21. apartment, 22. sculpt, 23. plank, 24. lad, 25. underneath, 26. rein, 27. grab, 28. hulk

29.	twe unwanted hair	ν.	to pluck or remove hairs, particularly from the face or other sensitive areas, using a pair of tweezers (= a small hand-held tool used for grasping and manipulating small objects with precision) or other specialized tools
30.	short video cp	n.	a small metal or plastic device used for holding an object or objects together or in place; a short part of electronic media, either an audio clip or video clip
31.	appely same	adv.	close to a specific number or time but not exactly that number or time
32.	nee prick	n.	a thin, pointed object typically used for sewing or medical purposes; a metal or plastic instrument used for administering injections or drawing blood
33.	a scientific diry	n.	the act or process of finding information, a place, or an object, or learning about something that was previously not known
34.	sd dunes	n.	finely granulated particles of rock or mineral material typically found along beaches, deserts, or riverbeds; used in construction, landscaping, and other applications requiring drainage or abrasive action
35.	in a gee voice	adj.	having or showing a kindly or tender nature; soft and mild
36.	sper cell	n.	a small, thin, sharp piece of wood, glass, or other material that has broken off from a larger piece; a fragment or small piece that has separated from something larger

ANSWERS: 29. tweeze, 30. clip, 31. approximately, 32. needle, 33. discovery, 34. sand, 35. gentle, 36. splinter

37.	carbon fir	n.	thread or filament used to make a vegetable tissue, mineral material, or textile
38.	are passionately	ν.	to express differing opinions or points of view, often in a heated or contentious manner; to present a case or reasoning to persuade or convince others
39.	double-std DNA	n.	a very thin natural or synthetic thread, wire, hair, etc.; (verb) to leave or drive a vessel, fish, etc., aground or ashore
40.	ope 24 hours a day	<i>v</i> .	to work in a particular way; to supervise something
41.	celne wrapper	n.	a thin, transparent material made from cellulose, commonly used as a packaging material or for wrapping items
42.	antte your kind cooperation	<i>v</i> .	to expect or predict that something will happen; to tell in advance
43.	powerful calt	n.	a device used to hurl an object a long distance
44.	musical insnts	n.	an object used to make musical sounds, such as a piano, guitar, or drum; a tool or device used for a specific activity, particularly in specialist or scientific work
45.	dee a question	<i>v</i> .	to make up someone's mind about something; to come to a conclusion or judgment after considering options
46.	symal pattern	adj.	having similarity in size, shape, and relative position of corresponding parts

ANSWERS: 37. fiber, 38. argue, 39. strand, 40. operate, 41. cellophane, 42. anticipate, 43. catapult, 44. instrument, 45. decide, 46. symmetrical

47. a glare of suht	n.	the light emitted by the sun; the rays of the sun
48. fron force	n.	the force that opposes motion between two objects in contact, especially by producing heat and wear, and is proportional to the normal force between the objects
49. bay view	n.	a platform projecting from the wall of a building and surrounded by a railing, providing an outdoor space
50. tie cp	n.	a small metal or plastic device used for holding an object or objects together or in place; a short part of electronic media, either an audio clip or video clip
51. sut a plot	v.	to consider anything to be actual or probable
52. sd an old skin	v.	to get rid of something as superfluous or unwanted; to cast off hair, skin, horn, or feathers; (noun) an outbuilding with a single story, mainly used for shelter or storage
53. sew effect	n.	a long, narrow board balanced on a fulcrum or pivot point, often used as a toy or play equipment in a children's playground
54. paish stroke	n.	a tool used for applying paint or other liquid substances to a surface, typically consisting of bristles or synthetic fibers attached to a handle
55. did necklace	n.	a precious stone made from pure carbon, typically transparent and colorless but possibly tinted in various colors; a shape or arrangement resembling the geometric form of a diamond

а

ANSWERS: 47. sunlight, 48. friction, 49. balcony, 50. clip, 51. suspect, 52. shed, 53. seesaw, 54. paintbrush, 55. diamond

56.	a convivial atmre	n.	the mass of air that surrounds the Earth; the pervading tone or mood of a place, situation, or creative work
57.	enge antisocial behavior	ν.	to give someone support, confidence, or hope; to persuade someone to do or continue to do something by making it easier for them and making them believe it is a good thing to do
58.	fay novel	n.	a fiction with a large amount of imagination in it; a pleasant situation that you imagine but that is unlikely to happen
59.	slt increase	adj.	very small in degree or amount
60.	stc electricity	adj.	not moving or not capable of moving, not changing or not capable of changing
61.	end of the first qur	n.	one of four equal parts; a fourth part or portion
62.	micpe slide	n.	an instrument used to see objects or substances that are too small to be seen with the naked eye
63.	a cow sd	v.	to get rid of something as superfluous or unwanted; to cast off hair, skin, horn, or feathers; (noun) an outbuilding with a single story, mainly used for shelter or storage
64.	photon refon	n.	the act of thinking deeply about something, or the ability to think deeply; the image of something that is seen in a mirror or other reflective surface

ANSWERS: 56. atmosphere, 57. encourage, 58. fantasy, 59. slight, 60. static, 61. quarter, 62. microscope, 63. shed, 64. reflection

- 65. ro_h estimation
- 66. je__y-built foundation
- 67. a big b_b of yellow
- 68. broken sh__d
- 69. sw__t bath
- 70. br___h of wind
- 71. surgical ins____nts
- 72. in direct su ht
- 73. mi___n imaging
- 74. start a new th d

- adj. not quite exact or correct; having or caused by an irregular surface
- adj. a slang term referring to something that is improvised, makeshift, or of poor quality; jerry-rigged
- a small amount or drop of a thick liquid or sticky substance
- a small, sharp piece of something that has been broken, especially a material like glass, pottery, or metal
- n. the salty liquid that is produced by the glands in the skin, especially when the body is hot or under stress
- the air that is taken into and expelled from your lungs; the process of taking into and expelling air from your lungs
- an object used to make musical sounds, such as a piano, guitar, or drum; a tool or device used for a specific activity, particularly in specialist or scientific work
- *n*. the light emitted by the sun; the rays of the sun
- a unit of measurement equal to one-millionth of a meter, used for measuring the size of particles and microorganisms
- n. a fine cord of natural or synthetic fibers or filaments, such as cotton or nylon, used in sewing, knitting, or weaving; a series of connected messages or comments on a social media platform or online forum, often related to a particular topic; a sequence or line of events, ideas, or actions that are connected or related; (verb) to pass a thread through a needle or other small opening, in preparation for sewing or stitching

ANSWERS: 65. rough, 66. jerry, 67. blob, 68. shard, 69. sweat, 70. breath, 71. instrument, 72. sunlight, 73. micron, 74. thread

75.	coct a dam	<i>v</i> .	to build or create something; to assemble or combine different parts to form something whole
76.	cae my name on the plate	<i>v</i> .	to create something by cutting wood or stone; to turn sharply
77.	did ring	n.	a precious stone made from pure carbon, typically transparent and colorless but possibly tinted in various colors; a shape or arrangement resembling the geometric form of a diamond
78.	electron micpe	n.	an instrument used to see objects or substances that are too small to be seen with the naked eye
79.	w_n a reckless driver	<i>v</i> .	to make someone aware of potential danger or difficulty, particularly one that may occur in the future
80.	spr venom	n.	a small, eight-legged creature that spins webs to catch insects as food; a computer program that systematically browses the World Wide Web for purposes of web indexing
81.	micic analysis	adj.	tiny; exceedingly precise and detail-oriented; of or used in microscopy
82.	a white a_t	n.	a very small insect that lives under the ground or in a mound in highly organized groups
83.	moar structure	adj.	of or relating to molecules (= a group of two or more atoms held together by attractive forces known as chemical bonds)

ANSWERS: 75. construct, 76. carve, 77. diamond, 78. microscope, 79. warn, 80. spider, 81. microscopic, 82. ant, 83. molecular

84. the ja d outline of the crags adj. having a rough and sharply uneven surface or outline 85. sym____al triangle adj. having similarity in size, shape, and relative position of corresponding parts 86. en____ge a sense of affinity to give someone support, confidence, or ν. hope; to persuade someone to do or continue to do something by making it easier for them and making them believe it is a good thing to do to express differing opinions or points of 87. ar__e a case view, often in a heated or contentious manner; to present a case or reasoning to persuade or convince others a sticky substance used for joining 88. epoxy g e n. things together; a bonding agent made from animal or synthetic materials a two-wheeled horse-drawn battle 89. ch___t builder n. vehicle used in ancient Egypt, Greece, and Rome for warfare and racing a series of actions or operations 90. pr s improvement n. performed to achieve a particular outcome or goal; a systematic procedure or approach used to accomplish a specific task or objective; a method of treating milk to make it suitable for consumption or use in other dairy products

ANSWERS: 84. jagged, 85. symmetrical, 86. encourage, 87. argue, 88. glue, 89. chariot, 90. process, 91. particle

n.

a small piece of something; a word or

piece of a term with grammatical function but little or no significance

91. pa____le energy

92.	elfy a manufacturing process	<i>v</i> .	to make a machine or system work by using electricity; to make someone extremely enthusiastic about or interested in something
93.	price of cre oil	adj.	being in an unrefined or natural state; (noun) the unprocessed form of oil
94.	rr children	adj.	at, toward, or near the back part of something; (verb) to look after a child until it is an adult
95.	ret in a mountain region	n.	the act of moving back or withdrawing from a position or situation; a period of rest or relaxation away from work or everyday life
96.	furnished apnt	n.	a self-contained living unit within a larger building or complex, typically consisting of one or more rooms or an open space used for living, cooking, and sleeping
97.	house dust me	n.	a tiny arachnid-like creature that is related to ticks and spiders and often lives as a parasite on plants or animals
98.	a structural bm of a building	n.	a long, sturdy piece of timber, metal, or other material used to support a structure or span a distance; a ray or stream of light emitted by a source
99.	a_t bite	n.	a very small insect that lives under the ground or in a mound in highly organized groups
100	. wned me of the plan	<i>v</i> .	to make someone aware of potential danger or difficulty, particularly one that may occur in the future

ANSWERS: 92. electrify, 93. crude, 94. rear, 95. retreat, 96. apartment, 97. mite, 98. beam, 99. ant, 100. warn

a thin flat part on the body of a fish or 101. a f n of a plane n. other aquatic animal used for propulsion or balance to fail or lose power, efficiency, or value 102. eventually pe r out ν. gradually before coming to an end a song of praise or worship, especially 103. a sacred h n n. one in a religious service or ceremony adj. causing strong emotions or feelings, 104. mo___g experience especially sadness or sympathy 105. cel____ne packaging a thin, transparent material made from cellulose, commonly used as a packaging material or for wrapping items 106. an ac____ic discussion adj. associated with schools, colleges, and universities, especially studying and thinking, not with practical skills 107. pl k exercise a long, flat piece of wood or other material that is used for construction or as a platform; an exercise in which a person holds their body in a straight line supported by their hands and toes 108. in re in another country's to get involved in and prevent a process ν. or activity from continuing affairs 109. fl_e graphite a small, thin piece or layer of n. something, often with a flat or irregular shape; a person who is unreliable or inconsistent

ANSWERS: 101. fin, 102. peter, 103. hymn, 104. moving, 105. cellophane, 106. academic, 107. plank, 108. interfere, 109. flake, 110. quarter

n.

portion

one of four equal parts; a fourth part or

110. a qu____r mile

- 111. go in___e with pleasure
- 112. the r rgate
- 113. confuse fa____y with reality
- 114. to__h song
- 115. ja___d edges
- 116. sewing ne___e
- 117. se___w motion
- 118. man____te figures
- 119. pl k out weeds

- adj. extremely stupid, crazy, or dangerous; mentally ill
- adj. at, toward, or near the back part of something; (verb) to look after a child until it is an adult
- a fiction with a large amount of imagination in it; a pleasant situation that you imagine but that is unlikely to happen
- a portable device that produces a flame, typically one that is used to light a fire or a candle
- adj. having a rough and sharply uneven surface or outline
- a thin, pointed object typically used for sewing or medical purposes; a metal or plastic instrument used for administering injections or drawing blood
- a long, narrow board balanced on a fulcrum or pivot point, often used as a toy or play equipment in a children's playground
- v. to influence or control something or someone to your advantage, often in an unfair or dishonest way
- v. to pull or draw something, especially with sudden force or effort; to strip of feathers

ANSWERS: 111. insane, 112. rear, 113. fantasy, 114. torch, 115. jagged, 116. needle, 117. seesaw, 118. manipulate, 119. pluck

120. vulnerable to mante	<i>v</i> .	to influence or control something or someone to your advantage, often in an unfair or dishonest way
121. hn tune	n.	a song of praise or worship, especially one in a religious service or ceremony
122. surface fron	n.	the force that opposes motion between two objects in contact, especially by producing heat and wear, and is proportional to the normal force between the objects
123. mey-making	adj.	cheerful and lively, often with a sense of joyfulness or celebration; characterized by a happy or festive mood
124. cost bar	n.	a fence or other obstruction that makes it hard to move or get in; any condition that makes it difficult to make progress or to achieve an objective
125. biodegradable pang	n.	the process, materials, or container used to wrap or contain a product for distribution, storage, or sale; the design or appearance of a product's packaging
126. web spr	n.	a small, eight-legged creature that spins webs to catch insects as food; a computer program that systematically browses the World Wide Web for purposes of web indexing
127. his social stng	adj.	existing or remaining upright; having a vertical position; (noun) social, financial, or professional status or reputation
128. flour made from gr_n	n.	wheat or any other small hard seeds used as a food; a relatively small granular particle of a substance

ANSWERS: 120. manipulate, 121. hymn, 122. friction, 123. merry, 124. barrier, 125. packaging, 126. spider, 127. standing, 128. grain

129. rn in costs	n.	a long, narrow strap attached to a horse's bit, used to control the animal while riding; a means of controlling or limiting something or someone's actions and behavior; (verb) to control or restrain something, especially something that is becoming excessive or out of control
130. antte a black future	<i>v</i> .	to expect or predict that something will happen; to tell in advance
131. a sle of the company's revenue	n.	a flat, often thin, piece of bread, meat, cheese, etc., that has been cut from a larger piece; a wound made by cutting
132. an ine scheme	adj.	extremely stupid, crazy, or dangerous; mentally ill
133. ocy a position	<i>v</i> .	to consume all of someone's space, attention, or time
134. a circular mont	n.	a group of people working together to achieve a shared goal, especially a political, social, or artistic one; the process of moving or being moved, physically or figuratively
135. sue you're right	v.	to think that something is likely to be actual or possible
136. crre of habit	n.	a living being, especially an animal
137. pang materials	n.	the process, materials, or container used to wrap or contain a product for distribution, storage, or sale; the design or appearance of a product's packaging

ANSWERS: 129. rein, 130. anticipate, 131. slice, 132. insane, 133. occupy, 134. movement, 135. suppose, 136. creature, 137. packaging

138. decision-making prs
139. twe hairs
140. sth a story
141. cot suicide
142. cre manners
143. a me of evidence
144. acic probation
145. public rile

- 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
- v. to pluck or remove hairs, particularly from the face or other sensitive areas, using a pair of tweezers (= a small hand-held tool used for grasping and manipulating small objects with precision) or other specialized tools
- v. to make or be capable of making anything longer or broader without hurting or breaking
- v. to do something illegal or wrong
- adj. being in an unrefined or natural state; (noun) the unprocessed form of oil
- a tiny arachnid-like creature that is related to ticks and spiders and often lives as a parasite on plants or animals
- adj. associated with schools, colleges, and universities, especially studying and thinking, not with practical skills
- n. speech or behavior that makes fun of or mocks someone or something; teasing, sarcasm, or scornful remarks that are intended to belittle or humiliate; (verb) to mock, criticize, or make fun of someone or something in a scornful or derisive way

ANSWERS: 138. process, 139. tweeze, 140. stretch, 141. commit, 142. crude, 143. mite, 144. academic, 145. ridicule

447 as 1 maistelese	<i>v</i> .	
147. cot mistakes	<i>V</i> •	to do something illegal or wrong
148. undth the laughter	adv.	under or below something else
149. not noly drink much	adv.	usually; under normal conditions
150. mey laughter	adj.	cheerful and lively, often with a sense of joyfulness or celebration; characterized by a happy or festive mood
151. shd of pottery	n.	a small, sharp piece of something that has been broken, especially a material like glass, pottery, or metal
152. the professor of suy	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
153. nyn thread	n.	a synthetic material used for making clothes, ropes, brushes, etc.
154. try to hide a gre	ν.	to make a facial expression that shows pain, disgust, or discomfort; (noun) a facial expression that shows pain or disgust, marked by wrinkling of the forehead, tightness of the face, and twisting of the mouth
155. fles of snow	n.	a small, thin piece or layer of something, often with a flat or irregular shape; a person who is unreliable or inconsistent

ANSWERS: 146. painstaking, 147. commit, 148. underneath, 149. normally, 150. merry, 151. shard, 152. surgery, 153. nylon, 154. grimace, 155. flake

156. thd a catheter	n.	a fine cord of natural or synthetic fibers or filaments, such as cotton or nylon, used in sewing, knitting, or weaving; a series of connected messages or comments on a social media platform or online forum, often related to a particular topic; a sequence or line of events, ideas, or actions that are connected or related; (verb) to pass a thread through a needle or other small opening, in preparation for sewing or stitching
157. paing research	adj.	cautious and correct, and requiring a significant amount of effort
158. a blazing arnt	n.	a set of statements or reasons used to support or refute a proposition or theory; a verbal or physical fight or dispute
159. It a ban on alcohol	<i>v</i> .	to raise something to a higher position or level; to pick up something or somebody and move them to a different position
160. inre with DNA synthesis	<i>v</i> .	to get involved in and prevent a process or activity from continuing
161. ath firmly	<i>v</i> .	to fasten, join, or connect one thing to another
162. ath a file to an e-mail	<i>v</i> .	to fasten, join, or connect one thing to another
163. shn your focus	v.	to make something, usually a blade or point, sharp or sharper; to enhance or

ANSWERS: 156. thread, 157. painstaking, 158. argument, 159. lift, 160. interfere, 161. attach, 162. attach, 163. sharpen

improve the clarity, focus, or effectiveness of something

164. the arnt against capital punishment	n.	a set of statements or reasons used to support or refute a proposition or theory; a verbal or physical fight or dispute
165. gre in pain	v.	to make a facial expression that shows pain, disgust, or discomfort; (noun) a facial expression that shows pain or disgust, marked by wrinkling of the forehead, tightness of the face, and twisting of the mouth
166. sle a tomato thin	n.	a flat, often thin, piece of bread, meat, cheese, etc., that has been cut from a larger piece; a wound made by cutting
167. development of the nes system	adj.	worried and anxious about something; relating to the nerves
168. a bb of jelly	n.	a small amount or drop of a thick liquid or sticky substance
169. heat abnormality	n.	the regular movement or sound of the heart as it sends blood around the body; an animating or vital unifying force
170. r_b shoulders	ν.	to move one's hand or an object over the surface of something with pressure
171. metal scng	n.	the act of removing a thin layer of material from a surface, often to clean or smooth it; a sound or sensation that is produced by something being removed or rubbed against another surface; (of computer technology) the automated extraction or collection of

ANSWERS: 164. argument, 165. grimace, 166. slice, 167. nervous, 168. blob, 169. heartbeat, 170. rub, 171. scraping

data from websites

172. get into the gre	n.	a long, narrow cut or depression in a hard material or surface; a particular style of popular music characterized by a strong and repetitive rhythm
173. cae a statue	ν.	to create something by cutting wood or stone; to turn sharply
174. coct a 3D image	ν.	to build or create something; to assemble or combine different parts to form something whole
175. paish icon	n.	a tool used for applying paint or other liquid substances to a surface, typically consisting of bristles or synthetic fibers attached to a handle
176. obs reasons	adj.	easy to see, discover or understand
177. ine the aroma	ν.	to breathe in air or a different substance, such as smoke
178. r_g an election	ν.	to prepare or set up something in a certain way, typically in a carefully planned or fraudulent manner; to equip with sails or masts
179. mog ceremony	adj.	causing strong emotions or feelings, especially sadness or sympathy
180. sut that he is sick	ν.	to consider anything to be actual or probable
181. dp liquid	v.	to fall in drops or make it fall in drops; (noun) liquid or moisture that falls in drops
182. information bar	n.	a fence or other obstruction that makes it hard to move or get in; any condition that makes it difficult to make progress or to achieve an objective

ANSWERS: 172. groove, 173. carve, 174. construct, 175. paintbrush, 176. obvious, 177. inhale, 178. rig, 179. moving, 180. suspect, 181. drip, 182. barrier

vertical position; (noun) social, financial,

or professional status or reputation

183. expnt design	n.	the scientific test conducted to observe what happens and gain new knowledge
184. she a person aside	ν.	to push someone or something in a rough way
185. sct an image	<i>v</i> .	to create a work of art by carving, casting, or other shaping techniques
186. shn a pencil	<i>v</i> .	to make something, usually a blade or point, sharp or sharper; to enhance or improve the clarity, focus, or effectiveness of something
187. cardiac suy	n.	medical treatment of injuries or diseases involving an incision with instruments and often removing or replacing some parts of the body; the branch of medical science that treats disease or injury by operative procedures
188. ede student	v.	to provide or receive instruction or training over a period of time at a school, university, etc.
189. cht race	n.	a two-wheeled horse-drawn battle vehicle used in ancient Egypt, Greece, and Rome for warfare and racing
190. hold your brh	n.	the air that is taken into and expelled from your lungs; the process of taking into and expelling air from your lungs
191. int biology	n.	any small creature that has six legs and a body divided into three sections
192. stng water	adj.	existing or remaining upright; having a

ANSWERS: 183. experiment, 184. shove, 185. sculpt, 186. sharpen, 187. surgery, 188. educate, 189. chariot, 190. breath, 191. insect, 192. standing

193. d p from the vicious wound to fall in drops or make it fall in drops; ν. (noun) liquid or moisture that falls in drops adv. in or to a lower place than someone or 194. be___h contempt something 195. the to_h of learning a portable device that produces a flame, n. typically one that is used to light a fire or a candle 196. r g a ship with new sails to prepare or set up something in a certain way, typically in a carefully planned or fraudulent manner; to equip with sails or masts 197. ba____y seating a platform projecting from the wall of a n. building and surrounded by a railing, providing an outdoor space 198. ap d infestation a tiny insect that feeds on the sap of plants and can cause damage or diseases to plants, often found in large colonies 199. el fy the audience to make a machine or system work by ν. using electricity; to make someone extremely enthusiastic about or interested in something 200. es____te this chicken to weigh to guess or calculate the cost, size, three pounds value, etc. of something a small, crudely built, usually temporary 201. makeshift sh y n. house or dwelling; often used to describe a rough or inexpensive structure

ANSWERS: 193. drip, 194. beneath, 195. torch, 196. rig, 197. balcony, 198. aphid, 199. electrify, 200. estimate, 201. shanty

202. a pounding heat	n.	the regular movement or sound of the heart as it sends blood around the body; an animating or vital unifying force
203. gee downward slope	adj.	having or showing a kindly or tender nature; soft and mild
204. r_b a glass window	<i>v</i> .	to move one's hand or an object over the surface of something with pressure
205. complete noly	adv.	usually; under normal conditions
206. min measurements	n.	a unit of measurement equal to one-millionth of a meter, used for measuring the size of particles and microorganisms
207. cr_h coffee beans	ν.	to press it firmly, usually with your hands or a tool, so that it becomes flat or smaller
208. the great diry of the century	n.	the act or process of finding information, a place, or an object, or learning about something that was previously not known
209. ret deeper into their territory	n.	the act of moving back or withdrawing from a position or situation; a period of rest or relaxation away from work or everyday life
210. ny_n cloth	n.	a synthetic material used for making clothes, ropes, brushes, etc.
211. series of expnts	n.	the scientific test conducted to observe what happens and gain new knowledge
212. bm of light	n.	a long, sturdy piece of timber, metal, or other material used to support a structure or span a distance; a ray or

ANSWERS: 202. heartbeat, 203. gentle, 204. rub, 205. normally, 206. micron, 207. crush, 208. discovery, 209. retreat, 210. nylon, 211. experiment, 212. beam

stream of light emitted by a source

213. shy-style lodging	n.	a small, crudely built, usually temporary house or dwelling; often used to describe a rough or inexpensive structure
214. his conclusion was obs	adj.	easy to see, discover or understand
215. a ble of grass	n.	the flat part of a knife, weapon, or machine with a very thin edge used for cutting
216. pl_k a gray hair	ν.	to pull or draw something, especially with sudden force or effort; to strip of feathers
217. the fre of the policy	n.	a strong border or structure of the wood, metal, etc. that surrounds something such as a picture, door, or window
218. jey-made toy	adj.	a slang term referring to something that is improvised, makeshift, or of poor quality; jerry-rigged
219. gre on the dance floor	n.	a long, narrow cut or depression in a hard material or surface; a particular style of popular music characterized by a strong and repetitive rhythm
220. refon question	n.	the act of thinking deeply about something, or the ability to think deeply; the image of something that is seen in a mirror or other reflective surface
221. appely 3 feet long	adv.	close to a specific number or time but not exactly that number or time
222. ine the smoke	<i>v</i> .	to breathe in air or a different substance, such as smoke

ANSWERS: 213. shanty, 214. obvious, 215. blade, 216. pluck, 217. frame, 218. jerry, 219. groove, 220. reflection, 221. approximately, 222. inhale

to raise something to a higher position 223. I t sagging skin ν. or level; to pick up something or somebody and move them to a different position a strong border or structure of the 224. a picture fr e n. wood, metal, etc. that surrounds something such as a picture, door, or window 225. a st___d of fine hair a very thin natural or synthetic thread, wire, hair, etc.; (verb) to leave or drive a vessel, fish, etc., aground or ashore adj. insane, especially due to a mental 226. gets m d easily illness; very angry a sculpture of a person or animal, 227. a beautiful st e typically made of stone or metal, that is intended to represent the subject in a lifelike or symbolic way 228. the bl e of a turbine the flat part of a knife, weapon, or n. machine with a very thin edge used for cutting 229. manually op e a machine to work in a particular way; to supervise ν. something 230. st___h along the coast to make or be capable of making ν. anything longer or broader without hurting or breaking 231. feel a sl__t concern adj. very small in degree or amount 232. su e beforehand to think that something is likely to be ν. actual or possible

ANSWERS: 223. lift, 224. frame, 225. strand, 226. mad, 227. statue, 228. blade, 229. operate, 230. stretch, 231. slight, 232. suppose, 233. probable

adj. likely to happen or likely to be true

233. pr le outcome

234. get nes	adj.	worried and anxious about something; relating to the nerves
235. ede public	ν.	to provide or receive instruction or training over a period of time at a school, university, etc.
236. sd castle	n.	finely granulated particles of rock or mineral material typically found along beaches, deserts, or riverbeds; used in construction, landscaping, and other applications requiring drainage or abrasive action
237. dee on a course of action	<i>v</i> .	to make up someone's mind about something; to come to a conclusion or judgment after considering options
238. moar biology	adj.	of or relating to molecules (= a group of two or more atoms held together by attractive forces known as chemical bonds)
239. remove a sper	n.	a small, thin, sharp piece of wood, glass, or other material that has broken off from a larger piece; a fragment or small piece that has separated from something larger
240. roh and tough	adj.	not quite exact or correct; having or caused by an irregular surface
241. micic inquiry	adj.	tiny; exceedingly precise and detail-oriented; of or used in microscopy
242. abstract scre	n.	the art of creating three-dimensional objects or forms, typically by carving, modeling, or casting in a variety of materials such as stone, wood, metal,

ANSWERS: 234. nervous, 235. educate, 236. sand, 237. decide, 238. molecular, 239. splinter, 240. rough, 241. microscopic, 242. sculpture

or clay

243. ocy his time	<i>v</i> .	to consume all of someone's space, attention, or time
244. prle cause of a fire	adj.	likely to happen or likely to be true
245. rile at his expense	n.	speech or behavior that makes fun of or mocks someone or something; teasing, sarcasm, or scornful remarks that are intended to belittle or humiliate; (verb) to mock, criticize, or make fun of someone or something in a scornful or derisive way
246. g_b an opportunity	ν.	to take hold of something or someone suddenly with a hand, especially in a violent way
247. synthetic fir	n.	thread or filament used to make a vegetable tissue, mineral material, or textile
248. local I_d	n.	a young boy or man, often used in an informal or affectionate way
249. h_k of a warehouse	n.	a large, abandoned, and decaying structure or object, often referring to a ship or building; a person or animal who is large and clumsy or who appears physically imposing but lacks strength or agility
250. the ancient Egyptian stes	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

ANSWERS: 243. occupy, 244. probable, 245. ridicule, 246. grab, 247. fiber, 248. lad, 249. hulk, 250. statue

Session 3: Fill in the Blanks

1.	He bated his when talking about this affair.
n.	the air that is taken into and expelled from your lungs; the process of taking into and expelling air from your lungs
2.	His showed highly positive results.
n.	the scientific test conducted to observe what happens and gain new knowledge
3.	He the game so he could win the prize.
<i>v</i> .	to prepare or set up something in a certain way, typically in a carefully planned or fraudulent manner; to equip with sails or masts
4.	He was with joy to see the results.
adj.	insane, especially due to a mental illness; very angry
	The school's mission is to young children and prepare them for the future.
ν.	to provide or receive instruction or training over a period of time at a school, university, etc.
6.	This machine is too difficult to for me.
<i>v</i> .	to work in a particular way; to supervise something
7.	The children played on the in the park.
n.	a long, narrow board balanced on a fulcrum or pivot point, often used as a toy or play equipment in a children's playground
8.	We must consume dietary to maintain good health.
n.	thread or filament used to make a vegetable tissue, mineral material, or textile
	SWERS: 1. breath, 2. experiments, 3. rigged, 4. mad, 5. educate, 6. operate, 7. saw, 8. fiber

9.	He fastens some sheets of paper with a
n.	a small metal or plastic device used for holding an object or objects together or in place; a short part of electronic media, either an audio clip or video clip
10.	The children complained because one of cake was slightly larger than the other.
n.	a flat, often thin, piece of bread, meat, cheese, etc., that has been cut from a larger piece; a wound made by cutting
11.	We can calculate the position of the statistically.
n.	a small piece of something; a word or piece of a term with grammatical function but little or no significance
12.	The on the beach was warm and golden.
n.	finely granulated particles of rock or mineral material typically found along beaches, deserts, or riverbeds; used in construction, landscaping, and other applications requiring drainage or abrasive action
13.	Please tell me how to this computer.
<i>v</i> .	to influence or control something or someone to your advantage, often in an unfair or dishonest way
14.	It seems that he has forgotten our scheduled meeting.
adj	likely to happen or likely to be true
15.	The engagement ring was adorned with a large, sparkling
n.	a precious stone made from pure carbon, typically transparent and colorless but possibly tinted in various colors; a shape or arrangement resembling the geometric form of a diamond
	SWERS: 9. clip, 10. slice, 11. particles, 12. sand, 13. manipulate, 14. probable, 15 mond

ANSWERS: 16. underneath, 17. interferes, 18. packaging, 19. slight, 20. process, 21. academic, 22. gentle, 23. nervous

ANSWERS: 24. chariot, 25. argue, 26. insane, 27. statue, 28. stretch, 29. Molecular, 30. anticipate, 31. beneath

ANSWERS: 32. estimated, 33. occupy, 34. flake, 35. friction, 36. static, 37. crushed, 38. warn, 39. obvious

48. The spaceship began to burn up as it approached the Earth's
n. the mass of air that surrounds the Earth; the pervading tone or mood of a place, situation, or creative work
49. This figure is about the x-axis.
adj. having similarity in size, shape, and relative position of corresponding parts
50. The shark's powerful allowed it to swim at high speeds.
n. a thin flat part on the body of a fish or other aquatic animal used for propulsion or balance
51. I must my knives before cooking to ensure precise and efficient cutting.
v. to make something, usually a blade or point, sharp or sharper; to enhance or improve the clarity, focus, or effectiveness of something
52. She the sore spot on her leg to ease the pain.
ν . to move one's hand or an object over the surface of something with pressure
53. The training of a hawk was a process.
adj. cautious and correct, and requiring a significant amount of effort
54. Ordinary air purifiers cannot adequately remove pollen
wheat or any other small hard seeds used as a food; a relatively small granular particle of a substance
55. I am seeking a spacious with a balcony and a parking spot.
a self-contained living unit within a larger building or complex, typically consisting of one or more rooms or an open space used for living, cooking, and sleeping
ANSWERS: 48. atmosphere, 49. symmetrical, 50. fins, 51. sharpen, 52. rubbed, 53. painstaking, 54. grains, 55. apartment

63.	The product developed through years of research continues to the market.
v.	to make a machine or system work by using electricity; to make someone extremely enthusiastic about or interested in something
64.	The width of a single human hair is around 100
n.	a unit of measurement equal to one-millionth of a meter, used for measuring the size of particles and microorganisms
65.	The from his classmates made him feel embarrassed and ashamed.
n.	speech or behavior that makes fun of or mocks someone or something; teasing, sarcasm, or scornful remarks that are intended to belittle or humiliate; (verb) to mock, criticize, or make fun of someone or something in a scornful or derisive way
66.	The army used a to launch large rocks over the castle walls.
n.	a device used to hurl an object a long distance
67.	His jokes made her angry.
adj	being in an unrefined or natural state; (noun) the unprocessed form of oil
68.	The teacher asked the students to write a on the book they had just read.
n.	the act of thinking deeply about something, or the ability to think deeply; the image of something that is seen in a mirror or other reflective surface
69.	Shall we a bite to eat?
v.	to take hold of something or someone suddenly with a hand, especially in a violent way
	SWERS: 63. electrify, 64. microns, 65. ridicule, 66. catapult, 67. crude, 68. ection, 69. grab

ANSWERS: 70. dripping, 71. torch, 72. standing, 73. sunlight, 74. normally, 75. hulk, 76. committed, 77. beam

78.	These are more prevalent above a certain latitude.
n.	any small creature that has six legs and a body divided into three sections
79.	He deeply, trying to calm down.
<i>v</i> .	to breathe in air or a different substance, such as smoke
80.	She wiped the off her forehead with a towel.
n.	the salty liquid that is produced by the glands in the skin, especially when the body is hot or under stress
81.	The of the katana itself is still in excellent condition.
n.	the flat part of a knife, weapon, or machine with a very thin edge used for cutting
82.	The police placed a across the street to halt traffic.
n.	a fence or other obstruction that makes it hard to move or get in; any condition that makes it difficult to make progress or to achieve an objective
83.	There are several limestone peaks throughout the mountains.
adj	having a rough and sharply uneven surface or outline
84.	The of the dancers on stage was graceful and elegant.
n.	a group of people working together to achieve a shared goal, especially a political, social, or artistic one; the process of moving or being moved, physically or figuratively
85.	He does not importance to these rumors.
v.	to fasten, join, or connect one thing to another
	SWERS: 78. insects, 79. inhaled, 80. sweat, 81. blade, 82. barrier, 83. jagged, 84 vement, 85. attach

nylon

ANSWERS: 93. sculptures, 94. thread, 95. blob, 96. groove, 97. encouraged, 98.

- n. a small, eight-legged creature that spins webs to catch insects as food; a computer program that systematically browses the World Wide Web for purposes of web indexing
- 106. The vehicle bounced along the _____ mountain road.
 - adj. not quite exact or correct; having or caused by an irregular surface

ANSWERS: 99. merry, 100. approximately, 101. strands, 102. ant, 103. lad, 104. retreat, 105. spider, 106. rough

107.	The	repair was only a temporary solution to the problem.
adj.	a slang term referri quality; jerry-rigged	ng to something that is improvised, makeshift, or of poor
108.	The music just	out.
ν.	to fail or lose powe	r, efficiency, or value gradually before coming to an end
109.	He was ordered to	walk the by the pirate captain.
n.	•	wood or other material that is used for construction or as a se in which a person holds their body in a straight line hands and toes
110.	The artist used a	of glass to create intricate designs on her sculptures.
n.	a small, sharp piec like glass, pottery,	e of something that has been broken, especially a material or metal
111.	The infestation	n in the old house was a serious problem for the residents.
n.	a tiny arachnid-like as a parasite on pla	creature that is related to ticks and spiders and often lives ants or animals
112.	The were e	ating all the leaves of my tomato plants.
n.	•	eds on the sap of plants and can cause damage or diseases nd in large colonies
113.	What do you	the culprit's motive was?
ν.	to think that someth	ning is likely to be actual or possible
114.	The sour condition.	nd coming from the engine made us worry about the car's
n.	smooth it; a sound or rubbed against a	a thin layer of material from a surface, often to clean or or sensation that is produced by something being removed another surface; (of computer technology) the automated tion of data from websites
	WERS: 107. jerry-ri ds. 113. suppose. 1	gged, 108. petered, 109. plank, 110. shard, 111. mite, 112.

123.	This statue is from a single tree trunk.
v.	to create something by cutting wood or stone; to turn sharply
124.	She the flowers off the bush.
<i>v</i> .	to pull or draw something, especially with sudden force or effort; to strip of feathers
125.	She carefully the stray eyebrow hairs.
<i>v</i> .	to pluck or remove hairs, particularly from the face or other sensitive areas using a pair of tweezers (= a small hand-held tool used for grasping and manipulating small objects with precision) or other specialized tools

ANSWERS: 123. carved, 124. plucked, 125. tweezed