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Vocabulary Builder Reference from...

Ge Wang: The DIY orchestra of the future | TED Talk
https://www.ted.com/talks/ge_wang_the_diy_orchestr_a_of_the_future

All Words

IMPORTANT

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Session 1: Word List

blank

adj. without any writing or printing; empty or devoid of ideas, information, or meaning; unable to remember or recall information

synonym : empty, void, barren

(1) **blank** expression, (2) **blank** paper

The computer screen displayed nothing but a **blank** white screen

deprive

v. to take away something from someone

synonym : deny, take away, divest

(1) **deprive** others of profit, (2) **deprive** him of his status

He was **deprived** of his freedom when sentenced to life in prison.

panic

n. a sudden strong feeling of fear that cannot be controlled and prevents reasonable thought and action

synonym : confusion, hysteria, consternation

(1) a **panic** reaction, (2) **panic** buying

The participation of oil-producing countries in the war caused **panic** in the financial markets.

spit

v. to eject saliva or other liquid from the mouth

synonym : expectorate, saliva, spew

(1) **spit** a bullet, (2) **spit** a mouthful of saliva

She tried to **spit** out the gum that she had been chewing.

definition

n. a concise explanation of the meaning of a word, phrase, or symbol

synonym: description, connotation, meaning

(1) a precise **definition**, (2) the **definition** of a word

Parallel lines are, by **definition**, lines on the same plane that never cross.

chuck

v. to throw something carelessly or casually; to get rid of something or someone

synonym: toss, throw, discard

(1) **chuck** the ball across the yard, (2) **chuck** my job

I will **chuck** these old shoes in the trash and buy a new pair.

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.

demonstrate

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

synonym: show, illustrate, display

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

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

nerd

n. a person who is very interested in and knowledgeable about a particular subject such as computers, mathematics, chess, etc.

synonym: geek, techie, wonk

(1) a computer **nerd**, (2) **nerd** neck

He was, by nature, a cyber **nerd**.

freak

n. an abnormality that is not typical or expected

synonym: anomaly, deviation, oddity

(1) a rock **freak**, (2) **freak** weather

The **freak** accident caused the car to flip over and land on its roof.

invite

v. to ask someone to come or join; to offer an opportunity or possibility for something to happen or take place

synonym: ask, request, summon

(1) **invite** guests, (2) **invite** criticism

We want to **invite** you to our annual charity event.

geek

n. a person who is highly interested and knowledgeable about a particular subject or field, often to the point of being obsessed

synonym: nerd, dork, enthusiast

(1) airplane **geek**, (2) **geek** enthusiast

He was a computer **geek** and spent all his free time coding.

bet

v. to risk money on the result of an event or a competition, such as a race or game, to get more money; to have faith or confidence in something

synonym: stake, wager, gamble

(1) **bet** on a race, (2) **bet** my future

I **bet** that you know it.

sin

n. the offense against a religious or moral law or against God

synonym: misdeed, guilt, wrong

(1) forgive a **sin**, (2) **sin** of omission

Some overzealous environmentalists claim celebrities are committing carbon dioxide **sins**.

oscillate

v. to swing or move back and forth like a pendulum or a wave; to fluctuate or alternate between two points or states; to hesitate or be indecisive

synonym: fluctuate, swing, vibrate

(1) **oscillate** back and forth, (2) **oscillate** between joy and anger

The fan in the room **oscillates**, making the airflow more

evenly.

abstract

adj. based on general ideas, feelings, or qualities and not on any a physical or concrete existence

synonym : conceptual, theoretical, ideational

(1) an **abstract** noun, (2) **abstract** science

The invention of the camera triggered the development of **abstract** painting.

frequency

n. an ordered array of colors into which a light beam can be split

synonym : recurrence, repetition, regularity

(1) **frequency** band, (2) high **frequency**

The oscillator hunts for the correct **frequency**.

hertz

n. the unit of frequency, equal to one cycle per second, often used to describe the frequency of electromagnetic waves or electronic signals

synonym : frequency, cycles per second

(1) audio **hertz**, (2) tera- **hertz** radiation

The human ear can detect sounds with frequencies ranging from 20 to 20,000 **hertz**.

advance

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

synonym : progress, boost, come along

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

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

octave

n. a musical interval encompassing eight diatonic scale degrees, such as the interval from C to the next C in a C major scale

synonym : eighth, interval, range

(1) **octave** key, (2) **octave** range

The singer's range was impressive, covering three **octaves**

with ease.

sequence

n. a series of related events, actions, numbers, etc., which have a particular order

synonym: arrangement, succession, series

(1) the **sequence** of the seasons, (2) the DNA **sequence**

We do move forward with those tasks in **sequence** next week.

horrible

adj. extremely unpleasant or bad; causing fear or disgust

synonym: dreadful, terrible, awful

(1) **horrible** accident, (2) **horrible** smell

The experience was **horrible** and left a lasting impression.

repetition

n. the act of doing or saying something many times

synonym: duplication, iteration, recurrence

(1) **repetition** of the word, (2) habitual **repetition**

Repetition is the mother of all learning.

loop

n. a shape like a curve or a circle made by something long and thin, such as a piece of string, that bends round and crosses itself

synonym: circle, curl, spiral

(1) exit from a **loop**, (2) positive feedback **loop**

Many people in this city use the **loop** railway for transportation.

indent

v. to create a space or notch in something by making a cut or impression; to set or arrange in a way that leaves a recessed or indented pattern; to begin a line of text at a position further inward than the main margin

synonym: dent, notch, stamp

(1) **indent** the quotations, (2) **indent** for additional supplies

Please **indent** each new paragraph when you're writing your essay.

aesthetic

adj. connected with the enjoyment or study of beauty

synonym : beautiful, artistic, esthetic

(1) **aesthetic** value, (2) **aesthetic** feeling

My **aesthetic** standards are quite different from hers.

disintegrate

v. break or cause to break into small fragments

synonym : shatter, crumble, break down

(1) **disintegrate** in an explosion, (2) **disintegrate** over time

The vase **disintegrated** into pieces when it fell to the ground.

empirical

adj. based on or verifiable by observation or experience rather than theory or pure logic

synonym : observational, experiential, factual

(1) **empirical** research, (2) **empirical** philosophy

The study's results were based on **empirical** evidence gathered from extensive research.

replace

v. to take the place of something

synonym : substitute, supersede, displace

(1) **replace** one word with another, (2) **replace** a phone

Eventually, the new design will **replace** all older models.

mathematics

n. the science dealing with the logic of quantities, shapes, spaces, and arrangement

synonym : arithmetic, calculation, calculus

(1) a good grounding in **mathematics**, (2) **mathematics** competition

He has a flair for **mathematics**.

random

adj. made, done, or happening without method, conscious decision, or any regular pattern

synonym : incidental, arbitrary, unanticipated

(1) a **random** choice, (2) bombs fell at **random**

To find drunk drivers, police conduct **random** tests.

canonical

adj. relating to or following the accepted, authorized, or traditional rules, standards, or beliefs, especially in religion or literature

synonym : orthodox, traditional, standard

(1) **canonical** form, (2) **canonical** books

The **Canonical** Gospels of Matthew, Mark, Luke, and John are the most authoritative.

mainframe

n. a large and powerful computer with a lot of memory used primarily by large organizations for critical applications

(1) **mainframe** computer, (2) **mainframe** operating system

IBM has consistently been a significant supplier of **mainframes** for a long time.

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?

cruise

n. a voyage on a large ship for pleasure; driving or traveling at a leisurely pace

synonym : sail, voyage, journey

(1) the **cruise** line, (2) adaptive **cruise** control

The family took a **cruise** to the Caribbean for their vacation.

highway

n. a main road, especially one connecting major towns or cities

synonym : road, expressway, freeway

(1) **highway** system, (2) an interstate **highway**

I'm going to take the **highway** to get to my destination faster.

generate

v. to produce or create something; to make offspring by reproduction

synonym : create, yield, produce

(1) **generate** more electricity, (2) **generate** \$100 a month

The economic stimulation program would **generate** a lot of

new jobs.

instrument

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

synonym: apparatus, tool, device

(1) musical **instruments**, (2) surgical **instruments**

This electronic **instrument** is required to undergo periodic inspections to ensure precision.

laptop

n. a portable computer that is small enough to be carried around easily and used on your lap

(1) bring my **laptop**, (2) thin-and-light **laptop**

I need to finish this report by tonight, so I'll be working on my **laptop** all day.

orchestra

n. a large group of musicians who play classical music together, usually with instruments such as strings, woodwinds, brass, and percussion

synonym: ensemble, symphony, band

(1) full **orchestra**, (2) **orchestra** conductor

The accomplished **orchestra** will give two more performances this week.

acoustics

n. a branch of physics that deals with the study of mechanical waves in gases, liquids, and solids, including topics such as vibration, sound, ultrasound, and infrasound

(1) specialize in **acoustics**, (2) the engineer of **acoustics**

The physicist specializes in **acoustics**.

ensemble

n. a group of people who perform together, especially in music or theater; a coordinated or matching set of something

synonym: group, team, set

(1) **ensemble** performance, (2) cloud **ensemble**

She put together an **ensemble** of matching clothes for the party.

hemisphere

n. half of the terrestrial globe; half of a sphere

(1) northern **hemisphere**, (2) cerebral **hemisphere**

This weather pattern is unique to the southern **hemisphere**.

array

n. a large group or collection of things or people, especially one that is impressive or attractive

synonym: collection, display, batch

(1) a two-dimensional **array**, (2) an **array** of troops

The customer on the Internet has to choose one from a formidable **array** of products.

tradition

n. a belief, custom, or way of doing something that has been passed down from generation to generation within a group or society

synonym: custom, practice, ritual

(1) a **tradition** of a culture, (2) against **tradition**

It is a **tradition** in many families to have a big Thanksgiving dinner with all their relatives.

acoustic

adj. relating to sound or the sense of hearing

synonym: aural, hearing, acoustical

(1) **acoustic** properties of a hall, (2) **acoustic** guitar

The ground acts as an **acoustic** barrier against outside sounds.

violin

n. a four-stringed wooden musical instrument held against the neck and played by passing a bow across the strings

synonym: fiddle

(1) **violin** soloist, (2) play the **violin**

The cello is a member of the **violin** family.

naturally

adv. as might be expected; by natural manners

synonym: by nature, inherently, intrinsically

(1) **naturally** arising, (2) **naturally** regenerated forest
He was **naturally** gifted.

artifact

n. a person-made object, especially one of historical or cultural interest

synonym : antique, relic, heirloom

(1) paleolithic **artifacts**, (2) Peruvian **artifacts**

The museum has a vast collection of Greek **artifacts**.

matte

adj. having a surface without a shine, luster; non-glossy

synonym : dull, flat, lusterless

(1) **matte** coating, (2) photo with a **matte** finish

The body of his car has a **matte** finish.

upside

n. the positive aspect or potential of something; the upper side of something

synonym : advantage, benefit, top

(1) have no **upside**, (2) market **upside**

Many people see the **upside** of traveling as an opportunity to experience new cultures and broaden their horizons.

drill

n. a tool or machine used for making round holes or driving fasteners; a training or practice

synonym : exercise, routine, training

(1) the **drill** hit the well, (2) fire **drill**

Several military **drill** programs have become popular methods of exercise.

hem

n. the edge or border of a piece of cloth, typically sewn to prevent fraying or unraveling; a small margin or border around something; (verb) to fold the edge of a piece of fabric and sew it down to create a neat and secure finish

synonym : edge, border, margin

(1) the **hem** of a dress, (2) **hem** the skirt

The **hem** length of her dress was perfect for the evening event.

amplify

v. to enhance something, particularly sound or brightness
synonym : intensify, boost, argument

(1) **amplify** a signal, (2) **amplify** the effect

You might need to **amplify** this point.

enclosure

n. a wall, fence, or other barriers that surround an area, keeping it separate and protected

synonym : compartment, partition, wall

(1) the **enclosure** of a city, (2) **enclosure** gate

The **enclosure** held several exotic animals, including lions and tigers.

demonstration

n. a display or show, often of a particular skill or product, intended to convince or persuade others

synonym : manifestation, presentation, show

(1) **demonstration** project, (2) a campus **demonstration**

Thousands of people attended the protest **demonstration** against the proposed policy.

commodity

n. a product or a raw material that can be traded, bought, or sold

synonym : merchandise, goods, entity

(1) **commodity** tax, (2) international **commodity**

The government announced a policy to control the rise in **commodity** prices.

glove

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

synonym : mitt

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

She was wearing a black **glove**.

tether

v. to tie or secure an animal, person, or object with a rope, chain, or other similar devices to prevent it from moving too far away; (noun) a rope or chain used to tie up or restrain an animal, such as a horse or dog

synonym : tie, fasten, secure

(1) **tether** a horse, (2) **tether** strap

The hiker **tethered** their dog to a tree while they camped for the night.

origin

n. the first existence or beginning of something

synonym : root, source, ancestor

(1) **origin** of information, (2) racial **origin**

There are various hypotheses concerning the **origin** of life.

detect

v. to find or recognize something, especially something difficult to see, hear, etc.

synonym : catch, observe, notice

(1) **detect** a bad event, (2) **detect** smuggling across borders

The security camera has **detected** four intruders.

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**.

slash

v. to cut with a sharp object using a quick and robust movement

synonym : cut, gash

(1) **slash** a person with a knife, (2) price **slash**

The government had to **slash** national defense spending due to the recession.

awesome

adj. inspiring fear, admiration, or respect; very good, nice, fun, etc.

synonym : miraculous, marvelous, astounding

(1) **awesome** mental faculty, (2) have an **awesome** birthday

There is a lot of **awesome** nature and food in Hawaii.

prototype

n. a first or preliminary example of something such as a device or vehicle from which other forms are developed

synonym : mock-up, precursor, model

(1) complete a **prototype** product, (2) early **prototype**

The flying car is presently in the **prototype** stage.

twilight

n. the soft, diffused light from the sky when the sun is below the horizon, either from sunrise to sunrise or sunset to sunset

synonym : dusk, sunset, gloaming

(1) **twilight** sky, (2) **twilight** of an era

The sky was a beautiful pink and orange color at **twilight**.

metaphor

n. a figure of speech in which an expression is used to refer to something that it does not denote to suggest a similarity

synonym : conceit, analogy, symbol

(1) **metaphor** for death, (2) visual **metaphor**

She expressed her thought in an artful choice of **metaphors**.

slightly

adv. in a small degree or extent; a little

synonym : barely, narrowly, scarcely

(1) increase **slightly**, (2) **slightly** alkaline soils

He moved his body **slightly** to the left.

metallic

adj. relating to or resembling metal; having a shiny, silvery, or reflective quality; characterized by strength, durability, or toughness

synonym : metal

(1) **metallic** taste, (2) **metallic** object

The jewelry shop featured a wide array of **metallic** accessories made of gold, silver, and copper.

hover

v. to stay in one place in the air

synonym : hang, float over, drift

(1) **hover** between life and death, (2) **hover** around the table

Two birds were **hovering** overhead.

ratchet

n. a mechanical device with a toothed wheel that can rotate in only one direction used to transmit or control motion or to prevent backward movement

synonym : gear, wrench, spanner

(1) **ratchet** wrench, (2) **ratchet** effect

He turned the bolt with the **ratchet**, making sure it was secure.

interaction

n. the act of connecting with someone, mainly when working, playing, or spending time with them

synonym : dealings, exchange, relations

(1) the **interaction** between man and his environment,

(2) **interaction** among human beings

The **interaction** of the two groups is good for brainstorming.

drone

n. a low continuous humming noise; someone who takes more time than necessary; a pilot-less aerial vehicle that is operated by remote control

synonym : hum, whirr, idler

(1) **drone** flight, (2) the speaker's **drone**

He heard a **drone** of sirens roar from the neighboring town.

giant

adj. enormous; much bigger or more important than similar items usually are

synonym : big, gigantic, huge

(1) **giant** trees, (2) **giant** tech company

The **giant** jets gradually dominate the world's airlines.

invisible

adj. impossible or nearly impossible to see

synonym : hidden, imperceptible, unseen

(1) an **invisible** asset, (2) **invisible** stars

The phenomenon is **invisible** at optical wavelengths.

bang

v. to hit or cause to hit something in a way that makes a loud noise

synonym : crash, hit, smash

(1) **bang** his fist on a desk, (2) **bang** a phone down
My father tried to **bang** mathematics into my head since childhood.

curiosity

n. a strong desire to know or learn about something

synonym : interest, inquisitiveness, novelty

(1) boundless **curiosity**, (2) satisfy my intellectual **curiosity**
We are motivated by **curiosity** rather than necessity.

bout

n. a short period of intense activity or experience; a match or contest, especially in boxing or wrestling; a period of illness or disease

synonym : match, round, contest

(1) **bout** of coughing, (2) boxing **bout**
He had a **bout** of anxiety before his big presentation.

insanity

n. the state of being seriously mentally ill; madness

synonym : madness, psychosis, lunacy

(1) sheer **insanity**, (2) alcoholic **insanity**
His behavior became increasingly erratic, leading many to believe he was experiencing a bout of **insanity**.

cofounder

n. one of several people who establishes an organization or starts a business

(1) **cofounder** of the university, (2) late **cofounder**
He is the **cofounder** and chairman of this tech company.

start-up

n. a newly established company or business

(1) **start-up** business, (2) early-stage **start-up**
Our company's services are targeted at **start-up** executives.

ocarina

n. a small, simple wind instrument typically made of ceramic or clay, often shaped like an elongated egg with finger holes, and played by blowing into it

synonym : wind egg, vessel flute

(1) **ocarina** music, (2) alto **ocarina**

In the museum, you can see an ancient Mesoamerican **ocarina** collection.

ancient

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

synonym: archaic, age-old, obsolete

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

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

flute

n. a musical instrument consisting of a metal, wood, or bamboo tube with a row of fingerholes and sometimes keys, played by blowing across a hole near one end

synonym: pipe, recorder, whistle

(1) **flute** music, (2) play the **flute**

The **flute** solo in the symphony was beautiful and elevated the overall performance.

pendant

n. a piece of jewelry that hangs from a chain or necklace; a decorative or symbolic object that hangs from a necklace or chain; a decorative hanging light fixture

synonym: charm, necklace, locket

(1) **pendant** necklace, (2) diamond **pendant**

She wore a beautiful **pendant** around her neck, adding elegance to her outfit.

configuration

n. the arrangement or pattern of something or a group of related things

synonym: arrangement, composition, formatting

(1) **configuration** of the system, (2) engine **configuration**

The **configuration** of molecules in steel changes significantly with temperature.

microphone

n. a device that converts sound into an electrical signal used for recording sounds or making the voice louder

synonym: mic, megaphone, amplifier

(1) **microphone** cable, (2) built-in **microphone**
The interviewer asked him to speak into the **microphone**.

script

n. a written text of a film, play, broadcast, or speech;
something written by hand

synonym: writing, penmanship, article

(1) a hand **script**, (2) the **script** of a play

The archaeologist found a hieratic Egyptian **script** on a stone monument.

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.

synthesize

v. to combine a substance to make a more complex product or compound

synonym: incorporate, amalgamate

(1) **synthesize** molecules, (2) **synthesize** information

The spider can **synthesize** multiple different silk proteins.

vibrato

n. a musical technique in which a sustained note is varied in pitch and volume to produce a pulsating or wavering effect; a similar effect produced in speech or other forms of sound production

synonym: tremolo, fluctuation, modulation

(1) sing with **vibrato**, (2) **vibrato** technique

The violinist added a **vibrato** to the final notes of the piece, creating a beautiful effect.

accelerometer

n. a device that measures acceleration or changes in motion, typically used in aerospace, automotive, and other engineering applications to monitor and control movement or to measure things like speed or vibration

synonym: sensor, g-sensor, gravimeter

(1) **accelerometer** reading, (2) high-precision

accelerometer

The phone's **accelerometer** measures its movement and orientation in three-dimensional space.

ditty

n. a short, simple song or poem that is easy to sing or recite

synonym: jingle, tune, ballad

(1) **ditty** melody, (2) folk **ditty**

The new commercial features a catchy **ditty** that's hard to get out of your head.

accompaniment

n. something that is added to or goes along with something else as a supplement, complement, or support; music played or sung along with a solo instrument or vocalist

synonym: support, aide, attendant

(1) the piano **accompaniment**, (2) **accompaniment** to the main course

The piano provided a beautiful **accompaniment** to the singer's voice.

melody

n. a succession of musical tones forming part of a larger piece of music

synonym: tune, song, piece

(1) a simple **melody**, (2) the **melody** of a tune

This harmonious **melody** immortalized its composer.

dramatic

adj. very sudden, very excellent, or full of action and excitement

synonym: striking, theatrical, breathtaking

(1) make **dramatic** changes, (2) a **dramatic** rescue at sea

The statement had a **dramatic** impact on house prices.

chord

n. a straight line connecting two points on a curve; a combination of three or more musical notes played or sung at the same time

synonym: harmony, concord, consonance

(1) **chord** transition, (2) his vocal **chords**

The pianist played a **chord** that filled the room with a rich, harmonious sound.

excerpt

v. to take a short piece of speech, book, film, etc. from a longer whole; (noun) a short extract from a speech, book, film, etc.

synonym: extract, take out, quote

(1) **excerpt** a passage from a book, (2) **excerpt** comments from the news release

Here are **excerpts** from several recent books on quantum computing.

toy

n. a thing, typically a small model or replica of something that is played with, especially by children

synonym: plaything, game, trinket

(1) **toy** store, (2) **toy** box

He gave his daughter a new **toy** for her birthday.

apparently

adv. based on what you have heard or read

synonym: evidently, obviously, supposedly

(1) **apparently** simple, (2) **apparently** unrelated

The police **apparently** believed this explanation was plausible.

entertainment

n. public shows, films, television, or other performances or activities of enjoying people

synonym: amusement, recreation, enjoyment

(1) an elegant **entertainment**, (2) hour of **entertainment**

The hotel is famous for its **entertainment**, including the casino.

consume

v. to spend something, especially fuel, energy, or time, in a large amount

synonym: absorb, ingest, use up

(1) **consume** a large of alcohol, (2) **consume** electricity

A smaller car will **consume** less fuel.

ultimate

adj. furthest or highest in degree or order

synonym : highest, maximum, foremost

(1) the **ultimate** goal in life, (2) the **ultimate** luxury
Management must take **ultimate** responsibility for the accident.

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.

globe

n. the earth or world, mainly used to emphasize its vastness

synonym : Earth, world, sphere

(1) terrestrial **globe**, (2) around the **globe**
His final goal is to sail around the **globe**.

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**.

minimal

adj. tiny in amount; the least possible

synonym : tiniest, essential, minimum

(1) **minimal** effort, (2) **minimal** amount
The process was carried out at **minimal** cost.

foreground

n. the part of a view, picture, etc., that is nearest to the viewer

(1) **foreground** segmentation, (2) **foreground** galaxy
A happy group of friends occupies the **foreground** of the picture.

afford

v. to have enough money or time to be able to buy or do something

(1) **afford** to buy a new car, (2) **afford** a high travel cost
He cannot **afford** a holiday.

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.

tsunami

n. a huge ocean wave caused by an earthquake, volcano, or other disturbance

synonym: tidal wave, seismic sea wave

(1) **tsunami** warning, (2) **tsunami** relief

The earthquake- **tsunami** caused widespread destruction along the coast.

disaster

n. an unexpected event or series of events that cause widespread damage, destruction, or loss of life

synonym: catastrophe, calamity, tragedy

(1) global **disaster**, (2) **disaster** recovery

The **disaster** response team worked around the clock to aid those affected by the earthquake.

app

n. (abbreviation for application) software designed to run on smartphones and other mobile devices or inside a web browser on a PC

synonym: application, software

(1) killer **app**, (2) cannot log in to the **app**

The discovery of a critical bug caused the company to delay the **app's** release.

lean

adj. having a noticeably small amount of body fat; (verb) to bend or move from a straight to a sloping posture

synonym: skinny, slender, (verb) slant

(1) a **lean** horse, (2) **lean** athletic figure

Lean operational improvements often lead to better environmental performance.

ad-hoc

adj. created or done for a particular purpose or situation, without any prior planning or forethought; made on a temporary or as-needed basis

synonym: improvised, impromptu, makeshift

(1) **ad-hoc** meeting, (2) **ad-hoc** decision

We need an **ad-hoc** committee to address this urgent issue.

converge

v. to move or draw together at a specific location; (of lines) to move towards the same point where they join or meet

synonym: congregate, assemble, concentrate

(1) **converge** of a series, (2) **converge** from different points

The two rivers **converge** into one near this area.

rendition

n. a performance or interpretation, often of a piece of music or artwork; a version or translation of something into another language or style; the act of surrendering someone to another country for interrogation or punishment

synonym: interpretation, performance, presentation

(1) **rendition** of judgment, (2) film **rendition**

The singer gave a beautiful **rendition** of the classic song during the concert.

sorrow

n. a feeling of deep sadness, grief, or regret, especially for something lost or ending

synonym: grief, heartache, melancholy

(1) deep **sorrow**, (2) **sorrow** for sin

The death of her best friend filled her with **sorrow**.

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.

Session 2: Spelling

- | | |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. habitual rep_____on | <i>n.</i> the act of doing or saying something many times |
| 2. tw_____ht sky | <i>n.</i> the soft, diffused light from the sky when the sun is below the horizon, either from sunrise to sunrise or sunset to sunset |
| 3. ho_____le smell | <i>adj.</i> extremely unpleasant or bad; causing fear or disgust |
| 4. the sc_____t of a play | <i>n.</i> a written text of a film, play, broadcast, or speech; something written by hand |
| 5. mat_____cs competition | <i>n.</i> the science dealing with the logic of quantities, shapes, spaces, and arrangement |
| 6. cerebral hem_____re | <i>n.</i> half of the terrestrial globe; half of a sphere |
| 7. re_____on of judgment | <i>n.</i> a performance or interpretation, often of a piece of music or artwork; a version or translation of something into another language or style; the act of surrendering someone to another country for interrogation or punishment |
| 8. high-precision acc_____ter | <i>n.</i> a device that measures acceleration or changes in motion, typically used in aerospace, automotive, and other engineering applications to monitor and control movement or to measure things like speed or vibration |

ANSWERS: 1. repetition, 2. twilight, 3. horrible, 4. script, 5. mathematics, 6. hemisphere, 7. rendition, 8. accelerometer

9. co____ge from different points *v.* to move or draw together at a specific location; (of lines) to move towards the same point where they join or meet
10. the speaker's dr__e *n.* a low continuous humming noise; someone who takes more time than necessary; a pilot-less aerial vehicle that is operated by remote control
11. the dr__l hit the well *n.* a tool or machine used for making round holes or driving fasteners; a training or practice
12. thin-and-light la____p *n.* a portable computer that is small enough to be carried around easily and used on your lap
13. ma_____me operating system *n.* a large and powerful computer with a lot of memory used primarily by large organizations for critical applications
14. gi__t tech company *adj.* enormous; much bigger or more important than similar items usually are
15. ho____le accident *adj.* extremely unpleasant or bad; causing fear or disgust
16. the en_____re of a city *n.* a wall, fence, or other barriers that surround an area, keeping it separate and protected
17. pre-mo____n agricultural society *adj.* of or belonging to the present time or recent times
18. sma_____ne app developer *n.* a mobile phone that functions as a computer and connects to the Internet
19. sl__h a person with a knife *v.* to cut with a sharp object using a quick and robust movement

ANSWERS: 9. converge, 10. drone, 11. drill, 12. laptop, 13. mainframe, 14. giant, 15. horrible, 16. enclosure, 17. modern, 18. smartphone, 19. slash

20. en____le performance *n.* a group of people who perform together, especially in music or theater; a coordinated or matching set of something
21. ad____c decision *adj.* created or done for a particular purpose or situation, without any prior planning or forethought; made on a temporary or as-needed basis
22. t_y box *n.* a thing, typically a small model or replica of something that is played with, especially by children
23. surgical ins____nts *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
24. fr____cy band *n.* an ordered array of colors into which a light beam can be split
25. make dr____ic changes *adj.* very sudden, very excellent, or full of action and excitement
26. s__t a bullet *v.* to eject saliva or other liquid from the mouth
27. ho__r around the table *v.* to stay in one place in the air
28. ho__r between life and death *v.* to stay in one place in the air
29. a good grounding in mat____cs *n.* the science dealing with the logic of quantities, shapes, spaces, and arrangement
30. ts____i relief *n.* a huge ocean wave caused by an earthquake, volcano, or other disturbance

ANSWERS: 20. ensemble, 21. ad-hoc, 22. toy, 23. instrument, 24. frequency, 25. dramatic, 26. spit, 27. hover, 28. hover, 29. mathematics, 30. tsunami

- | | |
|-------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 31. te___r a horse | v. to tie or secure an animal, person, or object with a rope, chain, or other similar devices to prevent it from moving too far away; (noun) a rope or chain used to tie up or restrain an animal, such as a horse or dog |
| 32. dis_____ate over time | v. break or cause to break into small fragments |
| 33. de_____e others of profit | v. to take away something from someone |
| 34. os_____te between joy and anger | v. to swing or move back and forth like a pendulum or a wave; to fluctuate or alternate between two points or states; to hesitate or be indecisive |
| 35. ca_____al form | <i>adj.</i> relating to or following the accepted, authorized, or traditional rules, standards, or beliefs, especially in religion or literature |
| 36. con_____ion of the system | <i>n.</i> the arrangement or pattern of something or a group of related things |
| 37. a campus dem_____ion | <i>n.</i> a display or show, often of a particular skill or product, intended to convince or persuade others |
| 38. ad_____e the technology | v. to go or move forward; to develop in a positive way |
| 39. mi_____l amount | <i>adj.</i> tiny in amount; the least possible |
| 40. price sl__h | v. to cut with a sharp object using a quick and robust movement |
| 41. in___e criticism | v. to ask someone to come or join; to offer an opportunity or possibility for something to happen or take place |

ANSWERS: 31. tether, 32. disintegrate, 33. deprive, 34. oscillate, 35. canonical, 36. configuration, 37. demonstration, 38. advance, 39. minimal, 40. slash, 41. invite

42. oc___e range *n.* a musical interval encompassing eight diatonic scale degrees, such as the interval from C to the next C in a C major scale
43. am_____y the effect *v.* to enhance something, particularly sound or brightness
44. dem_____te mastery *v.* to display something or give an exhibition to an interested audience
45. the engineer of ac_____cs *n.* a branch of physics that deals with the study of mechanical waves in gases, liquids, and solids, including topics such as vibration, sound, ultrasound, and infrasound
46. have an aw_____e birthday *adj.* inspiring fear, admiration, or respect; very good, nice, fun, etc.
47. s_n of omission *n.* the offense against a religious or moral law or against God
48. me_____or for death *n.* a figure of speech in which an expression is used to refer to something that it does not denote to suggest a similarity
49. specialize in ac_____cs *n.* a branch of physics that deals with the study of mechanical waves in gases, liquids, and solids, including topics such as vibration, sound, ultrasound, and infrasound
50. a dr_____ic rescue at sea *adj.* very sudden, very excellent, or full of action and excitement
51. paleolithic ar_____cts *n.* a person-made object, especially one of historical or cultural interest

ANSWERS: 42. octave, 43. amplify, 44. demonstrate, 45. acoustics, 46. awesome, 47. sin, 48. metaphor, 49. acoustics, 50. dramatic, 51. artifact

52. musical ins_____nts *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
53. tera-he__z radiation *n.* the unit of frequency, equal to one cycle per second, often used to describe the frequency of electromagnetic waves or electronic signals
54. a right-hand gl__e *n.* a piece of clothing worn on the hand and wrist for protection against cold, dirt, etc., with separate parts for each finger
55. the se_____ce of the seasons *n.* a series of related events, actions, numbers, etc., which have a particular order
56. app_____ly simple *adv.* based on what you have heard or read
57. am_____y a signal *v.* to enhance something, particularly sound or brightness
58. ts_____i warning *n.* a huge ocean wave caused by an earthquake, volcano, or other disturbance
59. ab_____ct science *adj.* based on general ideas, feelings, or qualities and not on any a physical or concrete existence
60. os_____te back and forth *v.* to swing or move back and forth like a pendulum or a wave; to fluctuate or alternate between two points or states; to hesitate or be indecisive

ANSWERS: 52. instrument, 53. hertz, 54. glove, 55. sequence, 56. apparently, 57. amplify, 58. tsunami, 59. abstract, 60. oscillate

61. b_t my future *v.* to risk money on the result of an event or a competition, such as a race or game, to get more money; to have faith or confidence in something
62. sing with vi____o *n.* a musical technique in which a sustained note is varied in pitch and volume to produce a pulsating or wavering effect; a similar effect produced in speech or other forms of sound production
63. bombs fell at ra___m *adj.* made, done, or happening without method, conscious decision, or any regular pattern
64. int_____on among human beings *n.* the act of connecting with someone, mainly when working, playing, or spending time with them
65. di_____er recovery *n.* an unexpected event or series of events that cause widespread damage, destruction, or loss of life
66. re_____e a phone *v.* to take the place of something
67. em_____al philosophy *adj.* based on or verifiable by observation or experience rather than theory or pure logic
68. oc___e key *n.* a musical interval encompassing eight diatonic scale degrees, such as the interval from C to the next C in a C major scale
69. audio he__z *n.* the unit of frequency, equal to one cycle per second, often used to describe the frequency of electromagnetic waves or electronic signals

ANSWERS: 61. bet, 62. vibrato, 63. random, 64. interaction, 65. disaster, 66. replace, 67. empirical, 68. octave, 69. hertz

70. bl__k expression *adj.* without any writing or printing; empty or devoid of ideas, information, or meaning; unable to remember or recall information
71. alcoholic in____ty *n.* the state of being seriously mentally ill; madness
72. f__t accomplishment *n.* a notable or impressive achievement, especially one that requires great skill or bravery
73. g__k enthusiast *n.* a person who is highly interested and knowledgeable about a particular subject or field, often to the point of being obsessed
74. in___t for additional supplies *v.* to create a space or notch in something by making a cut or impression; to set or arrange in a way that leaves a recessed or indented pattern; to begin a line of text at a position further inward than the main margin
75. gi__t trees *adj.* enormous; much bigger or more important than similar items usually are
76. alto oc____a *n.* a small, simple wind instrument typically made of ceramic or clay, often shaped like an elongated egg with finger holes, and played by blowing into it
77. pre-Christian an____t *adj.* relating to the long ago, particularly the historical period preceding the fall of the Western Roman Empire; very old
78. me____ic object *adj.* relating to or resembling metal; having a shiny, silvery, or reflective quality; characterized by strength, durability, or toughness

ANSWERS: 70. blank, 71. insanity, 72. feat, 73. geek, 74. indent, 75. giant, 76. ocarina, 77. ancient, 78. metallic

79. built-in mic_____ne *n.* a device that converts sound into an electrical signal used for recording sounds or making the voice louder
80. ae_____ic value *adj.* connected with the enjoyment or study of beauty
81. ra_____t wrench *n.* a mechanical device with a toothed wheel that can rotate in only one direction used to transmit or control motion or to prevent backward movement
82. pe_____t necklace *n.* a piece of jewelry that hangs from a chain or necklace; a decorative or symbolic object that hangs from a necklace or chain; a decorative hanging light fixture
83. ex_____t a passage from a book *v.* to take a short piece of speech, book, film, etc. from a longer whole; (noun) a short extract from a speech, book, film, etc.
84. a two-dimensional ar___y *n.* a large group or collection of things or people, especially one that is impressive or attractive
85. an_____t stories *adj.* relating to the long ago, particularly the historical period preceding the fall of the Western Roman Empire; very old
86. exit from a l___p *n.* a shape like a curve or a circle made by something long and thin, such as a piece of string, that bends round and crosses itself
87. fl___e music *n.* a musical instrument consisting of a metal, wood, or bamboo tube with a row of fingerholes and sometimes keys, played by blowing across a hole near one end

ANSWERS: 79. microphone, 80. aesthetic, 81. ratchet, 82. pendant, 83. excerpt, 84. array, 85. ancient, 86. loop, 87. flute

88. a hand sc___t *n.* a written text of a film, play, broadcast, or speech; something written by hand
89. early pr_____pe *n.* a first or preliminary example of something such as a device or vehicle from which other forms are developed
90. the cr___e line *n.* a voyage on a large ship for pleasure; driving or traveling at a leisurely pace
91. cannot log in to the a_p *n.* (abbreviation for application) software designed to run on smartphones and other mobile devices or inside a web browser on a PC
92. against tr_____on *n.* a belief, custom, or way of doing something that has been passed down from generation to generation within a group or society
93. fire dr__l *n.* a tool or machine used for making round holes or driving fasteners; a training or practice
94. in___t the quotations *v.* to create a space or notch in something by making a cut or impression; to set or arrange in a way that leaves a recessed or indented pattern; to begin a line of text at a position further inward than the main margin
95. fr__k weather *n.* an abnormality that is not typical or expected
96. af___d to buy a new car *v.* to have enough money or time to be able to buy or do something
97. market up___e *n.* the positive aspect or potential of something; the upper side of something

ANSWERS: 88. script, 89. prototype, 90. cruise, 91. app, 92. tradition, 93. drill, 94. indent, 95. freak, 96. afford, 97. upside

98. su____e you're right *v.* to think that something is likely to be actual or possible
99. around the gl__e *n.* the earth or world, mainly used to emphasize its vastness
100. terrestrial gl__e *n.* the earth or world, mainly used to emphasize its vastness
101. forgive a s_n *n.* the offense against a religious or moral law or against God
102. a tr_____on of a culture *n.* a belief, custom, or way of doing something that has been passed down from generation to generation within a group or society
103. l__n athletic figure *adj.* having a noticeably small amount of body fat; (verb) to bend or move from a straight to a sloping posture
104. Peruvian ar_____cts *n.* a person-made object, especially one of historical or cultural interest
105. or_____ra conductor *n.* a large group of musicians who play classical music together, usually with instruments such as strings, woodwinds, brass, and percussion
106. late co_____er *n.* one of several people who establishes an organization or starts a business
107. photo with a ma__e finish *adj.* having a surface without a shine, luster; non-glossy
108. co_____e electricity *v.* to spend something, especially fuel, energy, or time, in a large amount
109. boxing b__t *n.* a short period of intense activity or experience; a match or contest, especially in boxing or wrestling; a period of illness or disease

ANSWERS: 98. suppose, 99. globe, 100. globe, 101. sin, 102. tradition, 103. lean, 104. artifact, 105. orchestra, 106. cofounder, 107. matte, 108. consume, 109. bout

110. s__t a mouthful of saliva	<i>v.</i>	to eject saliva or other liquid from the mouth
111. de____e him of his status	<i>v.</i>	to take away something from someone
112. ma_____me computer	<i>n.</i>	a large and powerful computer with a lot of memory used primarily by large organizations for critical applications
113. b__g a phone down	<i>v.</i>	to hit or cause to hit something in a way that makes a loud noise
114. satisfy my intellectual cu_____ty	<i>n.</i>	a strong desire to know or learn about something
115. b__t of coughing	<i>n.</i>	a short period of intense activity or experience; a match or contest, especially in boxing or wrestling; a period of illness or disease
116. international co_____ty	<i>n.</i>	a product or a raw material that can be traded, bought, or sold
117. play the vi___n	<i>n.</i>	a four-stringed wooden musical instrument held against the neck and played by passing a bow across the strings
118. so___w for sin	<i>n.</i>	a feeling of deep sadness, grief, or regret, especially for something lost or ending
119. aw_____e mental faculty	<i>adj.</i>	inspiring fear, admiration, or respect; very good, nice, fun, etc.
120. mo___n poetry	<i>adj.</i>	of or belonging to the present time or recent times
121. an ear_____ke-proof	<i>n.</i>	a sudden and violent shaking of the ground caused by the movement of rock beneath the earth's surface

ANSWERS: 110. spit, 111. deprive, 112. mainframe, 113. bang, 114. curiosity, 115. bout, 116. commodity, 117. violin, 118. sorrow, 119. awesome, 120. modern, 121. earthquake

122. dem_____ion project *n.* a display or show, often of a particular skill or product, intended to convince or persuade others
123. re_____e one word with another *v.* to take the place of something
124. diamond pe_____t *n.* a piece of jewelry that hangs from a chain or necklace; a decorative or symbolic object that hangs from a necklace or chain; a decorative hanging light fixture
125. acc_____ent to the main course *n.* something that is added to or goes along with something else as a supplement, complement, or support; music played or sung along with a solo instrument or vocalist
126. become ess_____ly same *adv.* relating to the essential features or concepts of anything
127. the me_____y of a tune *n.* a succession of musical tones forming part of a larger piece of music
128. have no up_____e *n.* the positive aspect or potential of something; the upper side of something
129. an interstate hi_____y *n.* a main road, especially one connecting major towns or cities
130. ch__k my job *v.* to throw something carelessly or casually; to get rid of something or someone
131. hour of ent_____ent *n.* public shows, films, television, or other performances or activities of enjoying people
132. syn_____ze molecules *v.* to combine a substance to make a more complex product or compound

ANSWERS: 122. demonstration, 123. replace, 124. pendant, 125. accompaniment, 126. essentially, 127. melody, 128. upside, 129. highway, 130. chuck, 131. entertainment, 132. synthesize

133. early-stage st____up *n.* a newly established company or business
134. ch__k the ball across the yard *v.* to throw something carelessly or casually; to get rid of something or someone
135. high fr_____cy *n.* an ordered array of colors into which a light beam can be split
136. te___r strap *v.* to tie or secure an animal, person, or object with a rope, chain, or other similar devices to prevent it from moving too far away; (noun) a rope or chain used to tie up or restrain an animal, such as a horse or dog
137. the def_____on of a word *n.* a concise explanation of the meaning of a word, phrase, or symbol
138. ac_____ic guitar *adj.* relating to sound or the sense of hearing
139. northern hem_____re *n.* half of the terrestrial globe; half of a sphere
140. an ar__y of troops *n.* a large group or collection of things or people, especially one that is impressive or attractive
141. co_____ge of a series *v.* to move or draw together at a specific location; (of lines) to move towards the same point where they join or meet
142. ch__d transition *n.* a straight line connecting two points on a curve; a combination of three or more musical notes played or sung at the same time

ANSWERS: 133. start-up, 134. chuck, 135. frequency, 136. tether, 137. definition, 138. acoustic, 139. hemisphere, 140. array, 141. converge, 142. chord

143. or___n of information *n.* the first existence or beginning of something
144. the ul____te goal in life *adj.* furthest or highest in degree or order
145. sheer in____ty *n.* the state of being seriously mentally ill; madness
146. st____up business *n.* a newly established company or business
147. in___e guests *v.* to ask someone to come or join; to offer an opportunity or possibility for something to happen or take place
148. ae____ic feeling *adj.* connected with the enjoyment or study of beauty
149. a ra___m choice *adj.* made, done, or happening without method, conscious decision, or any regular pattern
150. me____ic taste *adj.* relating to or resembling metal; having a shiny, silvery, or reflective quality; characterized by strength, durability, or toughness
151. dem____te a difference *v.* to display something or give an exhibition to an interested audience
152. intellectual f__t *n.* a notable or impressive achievement, especially one that requires great skill or bravery
153. af___d a high travel cost *v.* to have enough money or time to be able to buy or do something
154. st____th of the economy *n.* the quality or state of being physically, or sometimes mentally, strong

ANSWERS: 143. origin, 144. ultimate, 145. insanity, 146. start-up, 147. invite, 148. aesthetic, 149. random, 150. metallic, 151. demonstrate, 152. feat, 153. afford, 154. strength

155. play the fl__e *n.* a musical instrument consisting of a metal, wood, or bamboo tube with a row of fingerholes and sometimes keys, played by blowing across a hole near one end
156. an elegant ent_____ent *n.* public shows, films, television, or other performances or activities of enjoying people
157. b__g his fist on a desk *v.* to hit or cause to hit something in a way that makes a loud noise
158. de___t a bad event *v.* to find or recognize something, especially something difficult to see, hear, etc.
159. bring my la___p *n.* a portable computer that is small enough to be carried around easily and used on your lap
160. the local chamber of co_____ce *n.* the activity of buying and selling things, especially on a large scale
161. muscular st_____th *n.* the quality or state of being physically, or sometimes mentally, strong
162. interstate co_____ce *n.* the activity of buying and selling things, especially on a large scale
163. co_____er of the university *n.* one of several people who establishes an organization or starts a business
164. oc_____a music *n.* a small, simple wind instrument typically made of ceramic or clay, often shaped like an elongated egg with finger holes, and played by blowing into it
165. a computer n__d *n.* a person who is very interested in and knowledgeable about a particular subject such as computers, mathematics, chess, etc.

ANSWERS: 155. flute, 156. entertainment, 157. bang, 158. detect, 159. laptop, 160. commerce, 161. strength, 162. commerce, 163. cofounder, 164. ocarina, 165. nerd

166. for_____nd galaxy *n.* the part of a view, picture, etc., that is nearest to the viewer
167. t_y store *n.* a thing, typically a small model or replica of something that is played with, especially by children
168. na_____ly regenerated forest *adv.* as might be expected; by natural manners
169. su_____e beforehand *v.* to think that something is likely to be actual or possible
170. airplane g__k *n.* a person who is highly interested and knowledgeable about a particular subject or field, often to the point of being obsessed
171. syn_____ze information *v.* to combine a substance to make a more complex product or compound
172. acc_____ter reading *n.* a device that measures acceleration or changes in motion, typically used in aerospace, automotive, and other engineering applications to monitor and control movement or to measure things like speed or vibration
173. en_____re gate *n.* a wall, fence, or other barriers that surround an area, keeping it separate and protected
174. a simple me___y *n.* a succession of musical tones forming part of a larger piece of music
175. folk di___y *n.* a short, simple song or poem that is easy to sing or recite
176. vi_____o technique *n.* a musical technique in which a sustained note is varied in pitch and volume to produce a pulsating or wavering effect; a similar effect produced in speech or other forms of sound production

ANSWERS: 166. foreground, 167. toy, 168. naturally, 169. suppose, 170. geek, 171. synthesize, 172. accelerometer, 173. enclosure, 174. melody, 175. ditty, 176. vibrato

177. the int_____on between man and his environment *n.* the act of connecting with someone, mainly when working, playing, or spending time with them
178. an ab_____ct noun *adj.* based on general ideas, feelings, or qualities and not on any a physical or concrete existence
179. for_____nd segmentation *n.* the part of a view, picture, etc., that is nearest to the viewer
180. ad_____e a cooperative relationship *v.* to go or move forward; to develop in a positive way
181. ma__e coating *adj.* having a surface without a shine, luster; non-glossy
182. increase sl_____ly *adv.* in a small degree or extent; a little
183. a pa__c reaction *n.* a sudden strong feeling of fear that cannot be controlled and prevents reasonable thought and action
184. sl_____ly alkaline soils *adv.* in a small degree or extent; a little
185. full or_____ra *n.* a large group of musicians who play classical music together, usually with instruments such as strings, woodwinds, brass, and percussion
186. ge_____te more electricity *v.* to produce or create something; to make offspring by reproduction
187. b_t on a race *v.* to risk money on the result of an event or a competition, such as a race or game, to get more money; to have faith or confidence in something
188. visual me_____or *n.* a figure of speech in which an expression is used to refer to something that it does not denote to suggest a similarity

ANSWERS: 177. interaction, 178. abstract, 179. foreground, 180. advance, 181. matte, 182. slightly, 183. panic, 184. slightly, 185. orchestra, 186. generate, 187. bet, 188. metaphor

189. his vocal ch__ds	<i>n.</i> a straight line connecting two points on a curve; a combination of three or more musical notes played or sung at the same time
190. sma_____ne addict	<i>n.</i> a mobile phone that functions as a computer and connects to the Internet
191. ac_____ic properties of a hall	<i>adj.</i> relating to sound or the sense of hearing
192. the ul_____te luxury	<i>adj.</i> furthest or highest in degree or order
193. de___t smuggling across borders	<i>v.</i> to find or recognize something, especially something difficult to see, hear, etc.
194. co_____e a large of alcohol	<i>v.</i> to spend something, especially fuel, energy, or time, in a large amount
195. complete a pr_____pe product	<i>n.</i> a first or preliminary example of something such as a device or vehicle from which other forms are developed
196. boundless cu_____ty	<i>n.</i> a strong desire to know or learn about something
197. h_m the skirt	<i>n.</i> the edge or border of a piece of cloth, typically sewn to prevent fraying or unraveling; a small margin or border around something; (verb) to fold the edge of a piece of fabric and sew it down to create a neat and secure finish
198. na_____ly arising	<i>adv.</i> as might be expected; by natural manners
199. tw_____ht of an era	<i>n.</i> the soft, diffused light from the sky when the sun is below the horizon, either from sunrise to sunrise or sunset to sunset

ANSWERS: 189. chord, 190. smartphone, 191. acoustic, 192. ultimate, 193. detect, 194. consume, 195. prototype, 196. curiosity, 197. hem, 198. naturally, 199. twilight

200. ge_____te \$100 a month *v.* to produce or create something; to make offspring by reproduction
201. dr__e flight *n.* a low continuous humming noise; someone who takes more time than necessary; a pilot-less aerial vehicle that is operated by remote control
202. dis_____ate in an explosion *v.* break or cause to break into small fragments
203. the DNA se_____ce *n.* a series of related events, actions, numbers, etc., which have a particular order
204. rep_____on of the word *n.* the act of doing or saying something many times
205. ex_____t comments from the news release *v.* to take a short piece of speech, book, film, etc. from a longer whole; (noun) a short extract from a speech, book, film, etc.
206. racial or____n *n.* the first existence or beginning of something
207. vi____n soloist *n.* a four-stringed wooden musical instrument held against the neck and played by passing a bow across the strings
208. killer a_p *n.* (abbreviation for application) software designed to run on smartphones and other mobile devices or inside a web browser on a PC
209. a precise def_____on *n.* a concise explanation of the meaning of a word, phrase, or symbol

ANSWERS: 200. generate, 201. drone, 202. disintegrate, 203. sequence, 204. repetition, 205. excerpt, 206. origin, 207. violin, 208. app, 209. definition

210. n__d neck *n.* a person who is very interested in and knowledgeable about a particular subject such as computers, mathematics, chess, etc.
211. co_____ty tax *n.* a product or a raw material that can be traded, bought, or sold
212. bl__k paper *adj.* without any writing or printing; empty or devoid of ideas, information, or meaning; unable to remember or recall information
213. ad___c meeting *adj.* created or done for a particular purpose or situation, without any prior planning or forethought; made on a temporary or as-needed basis
214. app_____ly unrelated *adv.* based on what you have heard or read
215. the h_m of a dress *n.* the edge or border of a piece of cloth, typically sewn to prevent fraying or unraveling; a small margin or border around something; (verb) to fold the edge of a piece of fabric and sew it down to create a neat and secure finish
216. a l__n horse *adj.* having a noticeably small amount of body fat; (verb) to bend or move from a straight to a sloping posture
217. positive feedback l__p *n.* a shape like a curve or a circle made by something long and thin, such as a piece of string, that bends round and crosses itself
218. di__y melody *n.* a short, simple song or poem that is easy to sing or recite

ANSWERS: 210. nerd, 211. commodity, 212. blank, 213. ad-hoc, 214. apparently, 215. hem, 216. lean, 217. loop, 218. ditty

219. em_____al research *adj.* based on or verifiable by observation or experience rather than theory or pure logic
220. a rock fr__k *n.* an abnormality that is not typical or expected
221. in_____le stars *adj.* impossible or nearly impossible to see
222. ca_____al books *adj.* relating to or following the accepted, authorized, or traditional rules, standards, or beliefs, especially in religion or literature
223. engine con_____ion *n.* the arrangement or pattern of something or a group of related things
224. hi_____y system *n.* a main road, especially one connecting major towns or cities
225. deep so___w *n.* a feeling of deep sadness, grief, or regret, especially for something lost or ending
226. ra_____t effect *n.* a mechanical device with a toothed wheel that can rotate in only one direction used to transmit or control motion or to prevent backward movement
227. 5-finger gl__e *n.* a piece of clothing worn on the hand and wrist for protection against cold, dirt, etc., with separate parts for each finger
228. film re_____on *n.* a performance or interpretation, often of a piece of music or artwork; a version or translation of something into another language or style; the act of surrendering someone to another country for interrogation or punishment

ANSWERS: 219. empirical, 220. freak, 221. invisible, 222. canonical, 223. configuration, 224. highway, 225. sorrow, 226. ratchet, 227. glove, 228. rendition

229. global di_____er *n.* an unexpected event or series of events that cause widespread damage, destruction, or loss of life
230. adaptive cr____e control *n.* a voyage on a large ship for pleasure; driving or traveling at a leisurely pace
231. pa__c buying *n.* a sudden strong feeling of fear that cannot be controlled and prevents reasonable thought and action
232. cloud en_____le *n.* a group of people who perform together, especially in music or theater; a coordinated or matching set of something
233. an in_____le asset *adj.* impossible or nearly impossible to see
234. the piano acc_____ent *n.* something that is added to or goes along with something else as a supplement, complement, or support; music played or sung along with a solo instrument or vocalist
235. mic_____ne cable *n.* a device that converts sound into an electrical signal used for recording sounds or making the voice louder
236. an ear_____ke zone *n.* a sudden and violent shaking of the ground caused by the movement of rock beneath the earth's surface
237. mi_____l effort *adj.* tiny in amount; the least possible
238. ess_____ly correct *adv.* relating to the essential features or concepts of anything

ANSWERS: 229. disaster, 230. cruise, 231. panic, 232. ensemble, 233. invisible, 234. accompaniment, 235. microphone, 236. earthquake, 237. minimal, 238. essentially

Session 3: Fill in the Blanks

1. He was, by nature, a cyber _____.
n. a person who is very interested in and knowledgeable about a particular subject such as computers, mathematics, chess, etc.
2. What do you _____ the culprit's motive was?
v. to think that something is likely to be actual or possible
3. The new commercial features a catchy _____ that's hard to get out of your head.
n. a short, simple song or poem that is easy to sing or recite
4. A happy group of friends occupies the _____ of the picture.
n. the part of a view, picture, etc., that is nearest to the viewer
5. The customer on the Internet has to choose one from a formidable _____ of products.
n. a large group or collection of things or people, especially one that is impressive or attractive
6. 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
7. The pianist played a _____ that filled the room with a rich, harmonious sound.
n. a straight line connecting two points on a curve; a combination of three or more musical notes played or sung at the same time

ANSWERS: 1. nerd, 2. suppose, 3. ditty, 4. foreground, 5. array, 6. earthquake, 7. chord

8. The phenomenon is _____ at optical wavelengths.

adj. impossible or nearly impossible to see

9. We want to _____ you to our annual charity event.

v. to ask someone to come or join; to offer an opportunity or possibility for something to happen or take place

10. The government had to _____ national defense spending due to the recession.

v. to cut with a sharp object using a quick and robust movement

11. He heard a _____ of sirens roar from the neighboring town.

n. a low continuous humming noise; someone who takes more time than necessary; a pilot-less aerial vehicle that is operated by remote control

12. Two birds were _____ overhead.

v. to stay in one place in the air

13. He turned the bolt with the _____ making sure it was secure.

n. a mechanical device with a toothed wheel that can rotate in only one direction used to transmit or control motion or to prevent backward movement

14. This harmonious _____ immortalized its composer.

n. a succession of musical tones forming part of a larger piece of music

15. The family took a _____ to the Caribbean for their vacation.

n. a voyage on a large ship for pleasure; driving or traveling at a leisurely pace

16. Here are _____ from several recent books on quantum computing.

v. to take a short piece of speech, book, film, etc. from a longer whole; (noun) a short extract from a speech, book, film, etc.

ANSWERS: 8. invisible, 9. invite, 10. slash, 11. drone, 12. hovering, 13. ratchet, 14. melody, 15. cruise, 16. excerpts

17. The singer's range was impressive, covering three _____ with ease.
n. a musical interval encompassing eight diatonic scale degrees, such as the interval from C to the next C in a C major scale
18. He was _____ gifted.
adv. as might be expected; by natural manners
19. Thousands of people attended the protest _____ against the proposed policy.
n. a display or show, often of a particular skill or product, intended to convince or persuade others
20. The participation of oil-producing countries in the war caused _____ in the financial markets.
n. a sudden strong feeling of fear that cannot be controlled and prevents reasonable thought and action
21. The human ear can detect sounds with frequencies ranging from 20 to 20,000 _____.
n. the unit of frequency, equal to one cycle per second, often used to describe the frequency of electromagnetic waves or electronic signals
22. To find drunk drivers, police conduct _____ tests.
adj. made, done, or happening without method, conscious decision, or any regular pattern
23. He moved his body _____ to the left.
adv. in a small degree or extent; a little
24. _____ is the mother of all learning.
n. the act of doing or saying something many times

ANSWERS: 17. octaves, 18. naturally, 19. demonstration, 20. panic, 21. hertz, 22. random, 23. slightly, 24. Repetition

25. The cello is a member of the _____ family.
n. a four-stringed wooden musical instrument held against the neck and played by passing a bow across the strings
26. A smaller car will _____ less fuel.
v. to spend something, especially fuel, energy, or time, in a large amount
27. The earthquake-_____ caused widespread destruction along the coast.
n. a huge ocean wave caused by an earthquake, volcano, or other disturbance
28. The _____ jets gradually dominate the world's airlines.
adj. enormous; much bigger or more important than similar items usually are
29. Scientific knowledge will _____ significantly with the power of AI.
v. to go or move forward; to develop in a positive way
30. The security camera has _____ four intruders.
v. to find or recognize something, especially something difficult to see, hear, etc.
31. The oscillator hunts for the correct _____.
n. an ordered array of colors into which a light beam can be split
32. His final goal is to sail around the _____.
n. the earth or world, mainly used to emphasize its vastness
33. We need an _____ committee to address this urgent issue.
adj. created or done for a particular purpose or situation, without any prior planning or forethought; made on a temporary or as-needed basis

ANSWERS: 25. violin, 26. consume, 27. tsunami, 28. giant, 29. advance, 30. detected, 31. frequency, 32. globe, 33. ad-hoc

34. The invention of the camera triggered the development of _____ painting.
adj. based on general ideas, feelings, or qualities and not on any a physical or concrete existence
35. His behavior became increasingly erratic, leading many to believe he was experiencing a bout of _____.
n. the state of being seriously mentally ill; madness
36. Their headquarters are in a _____ skyscraper.
adj. of or belonging to the present time or recent times
37. The interviewer asked him to speak into the _____.
n. a device that converts sound into an electrical signal used for recording sounds or making the voice louder
38. Internet traffic volumes have increased significantly with the advent of _____.
n. a mobile phone that functions as a computer and connects to the Internet
39. He was _____ of his freedom when sentenced to life in prison.
v. to take away something from someone
40. My father tried to _____ mathematics into my head since childhood.
v. to hit or cause to hit something in a way that makes a loud noise
41. This weather pattern is unique to the southern _____.
n. half of the terrestrial globe; half of a sphere
42. The _____ of the two groups is good for brainstorming.
n. the act of connecting with someone, mainly when working, playing, or spending time with them

ANSWERS: 34. abstract, 35. insanity, 36. modern, 37. microphone, 38. smartphones, 39. deprived, 40. bang, 41. hemisphere, 42. interaction

43. The body of his car has a _____ finish.

adj. having a surface without a shine, luster; non-glossy

44. Management must take _____ responsibility for the accident.

adj. furthest or highest in degree or order

45. It is a _____ in many families to have a big Thanksgiving dinner with all their relatives.

n. a belief, custom, or way of doing something that has been passed down from generation to generation within a group or society

46. The accomplished _____ will give two more performances this week.

n. a large group of musicians who play classical music together, usually with instruments such as strings, woodwinds, brass, and percussion

47. Many people see the _____ of traveling as an opportunity to experience new cultures and broaden their horizons.

n. the positive aspect or potential of something; the upper side of something

48. 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

49. The archaeologist found a hieratic Egyptian _____ on a stone monument.

n. a written text of a film, play, broadcast, or speech; something written by hand

50. The government announced a policy to control the rise in _____ prices.

n. a product or a raw material that can be traded, bought, or sold

ANSWERS: 43. matte, 44. ultimate, 45. tradition, 46. orchestra, 47. upside, 48. feat, 49. script, 50. commodity

51. We are motivated by _____ rather than necessity.

n. a strong desire to know or learn about something

52. The process was carried out at _____ cost.

adj. tiny in amount; the least possible

53. She wore a beautiful _____ around her neck, adding elegance to her outfit.

n. a piece of jewelry that hangs from a chain or necklace; a decorative or symbolic object that hangs from a necklace or chain; a decorative hanging light fixture

54. I'm going to take the _____ to get to my destination faster.

n. a main road, especially one connecting major towns or cities

55. The spider can _____ multiple different silk proteins.

v. to combine a substance to make a more complex product or compound

56. He is the _____ and chairman of this tech company.

n. one of several people who establishes an organization or starts a business

57. There are various hypotheses concerning the _____ of life.

n. the first existence or beginning of something

58. She was wearing a black _____.

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

59. Our company's services are targeted at _____ executives.

n. a newly established company or business

ANSWERS: 51. curiosity, 52. minimal, 53. pendant, 54. highway, 55. synthesize, 56. cofounder, 57. origin, 58. glove, 59. start-up

60. The flying car is presently in the _____ stage.

- n.* a first or preliminary example of something such as a device or vehicle from which other forms are developed

61. _____ a society is an organism.

- adv.* relating to the essential features or concepts of anything

62. In the museum, you can see an ancient Mesoamerican _____ collection.

- n.* a small, simple wind instrument typically made of ceramic or clay, often shaped like an elongated egg with finger holes, and played by blowing into it

63. The phone's _____ measures its movement and orientation in three-dimensional space.

- n.* a device that measures acceleration or changes in motion, typically used in aerospace, automotive, and other engineering applications to monitor and control movement or to measure things like speed or vibration

64. Several military _____ programs have become popular methods of exercise.

- n.* a tool or machine used for making round holes or driving fasteners; a training or practice

65. I _____ that you know it.

- v.* to risk money on the result of an event or a competition, such as a race or game, to get more money; to have faith or confidence in something

66. You might need to _____ this point.

- v.* to enhance something, particularly sound or brightness

67. She expressed her thought in an artful choice of _____.

- n.* a figure of speech in which an expression is used to refer to something that it does not denote to suggest a similarity

ANSWERS: 60. prototype, 61. Essentially, 62. ocarina, 63. accelerometer, 64. drill, 65. bet, 66. amplify, 67. metaphors

68. They have been living near water since _____ times.

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

69. The museum has a vast collection of Greek _____.

n. a person-made object, especially one of historical or cultural interest

70. She tried to _____ out the gum that she had been chewing.

v. to eject saliva or other liquid from the mouth

71. IBM has consistently been a significant supplier of _____ for a long time.

n. a large and powerful computer with a lot of memory used primarily by large organizations for critical applications

72. The physicist specializes in _____.

n. a branch of physics that deals with the study of mechanical waves in gases, liquids, and solids, including topics such as vibration, sound, ultrasound, and infrasound

73. I need to finish this report by tonight, so I'll be working on my _____ all day.

n. a portable computer that is small enough to be carried around easily and used on your lap

74. I will _____ these old shoes in the trash and buy a new pair.

v. to throw something carelessly or casually; to get rid of something or someone

75. He cannot _____ a holiday.

v. to have enough money or time to be able to buy or do something

ANSWERS: 68. ancient, 69. artifacts, 70. spit, 71. mainframes, 72. acoustics, 73. laptop, 74. chuck, 75. afford

76. Parallel lines are, by _____ lines on the same plane that never cross.
n. a concise explanation of the meaning of a word, phrase, or symbol
77. The singer gave a beautiful _____ of the classic song during the concert.
n. a performance or interpretation, often of a piece of music or artwork; a version or translation of something into another language or style; the act of surrendering someone to another country for interrogation or punishment
78. The _____ held several exotic animals, including lions and tigers.
n. a wall, fence, or other barriers that surround an area, keeping it separate and protected
79. The jewelry shop featured a wide array of _____ accessories made of gold, silver, and copper.
adj. relating to or resembling metal; having a shiny, silvery, or reflective quality; characterized by strength, durability, or toughness
80. The _____ accident caused the car to flip over and land on its roof.
n. an abnormality that is not typical or expected
81. The police _____ believed this explanation was plausible.
adv. based on what you have heard or read
82. There is a lot of _____ nature and food in Hawaii.
adj. inspiring fear, admiration, or respect; very good, nice, fun, etc.
83. The death of her best friend filled her with _____.
n. a feeling of deep sadness, grief, or regret, especially for something lost or ending

ANSWERS: 76. definition, 77. rendition, 78. enclosure, 79. metallic, 80. freak, 81. apparently, 82. awesome, 83. sorrow

84. The _____ response team worked around the clock to aid those affected by the earthquake.
- n.* an unexpected event or series of events that cause widespread damage, destruction, or loss of life
85. The economic stimulation program would _____ a lot of new jobs.
- v.* to produce or create something; to make offspring by reproduction
86. She put together an _____ of matching clothes for the party.
- n.* a group of people who perform together, especially in music or theater; a coordinated or matching set of something
87. Health and _____ are, above all, gold.
- n.* the quality or state of being physically, or sometimes mentally, strong
88. The violinist added a _____ to the final notes of the piece, creating a beautiful effect.
- n.* a musical technique in which a sustained note is varied in pitch and volume to produce a pulsating or wavering effect; a similar effect produced in speech or other forms of sound production
89. He gave his daughter a new ____ for her birthday.
- n.* a thing, typically a small model or replica of something that is played with, especially by children
90. He had a _____ of anxiety before his big presentation.
- n.* a short period of intense activity or experience; a match or contest, especially in boxing or wrestling; a period of illness or disease
91. Please _____ each new paragraph when you're writing your essay.
- v.* to create a space or notch in something by making a cut or impression; to set or arrange in a way that leaves a recessed or indented pattern; to begin a line of text at a position further inward than the main margin

ANSWERS: 84. disaster, 85. generate, 86. ensemble, 87. strength, 88. vibrato, 89. toy, 90. bout, 91. indent

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

v. to take the place of something

93. The computer screen displayed nothing but a _____ white screen

adj. without any writing or printing; empty or devoid of ideas, information, or meaning; unable to remember or recall information

94. How can you _____ that the earth is a sphere?

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

95. The experience was _____ and left a lasting impression.

adj. extremely unpleasant or bad; causing fear or disgust

96. The study's results were based on _____ evidence gathered from extensive research.

adj. based on or verifiable by observation or experience rather than theory or pure logic

97. The _____ solo in the symphony was beautiful and elevated the overall performance.

n. a musical instrument consisting of a metal, wood, or bamboo tube with a row of fingerholes and sometimes keys, played by blowing across a hole near one end

98. Some overzealous environmentalists claim celebrities are committing carbon dioxide _____.

n. the offense against a religious or moral law or against God

99. My _____ standards are quite different from hers.

adj. connected with the enjoyment or study of beauty

ANSWERS: 92. replace, 93. blank, 94. demonstrate, 95. horrible, 96. empirical, 97. flute, 98. sins, 99. aesthetic

100. The vase _____ into pieces when it fell to the ground.

v. break or cause to break into small fragments

101. We do move forward with those tasks in _____ next week.

n. a series of related events, actions, numbers, etc., which have a particular order

102. _____ operational improvements often lead to better environmental performance.

adj. having a noticeably small amount of body fat; (verb) to bend or move from a straight to a sloping posture

103. The sky was a beautiful pink and orange color at _____.

n. the soft, diffused light from the sky when the sun is below the horizon, either from sunrise to sunrise or sunset to sunset

104. The fan in the room _____ making the airflow more evenly.

v. to swing or move back and forth like a pendulum or a wave; to fluctuate or alternate between two points or states; to hesitate or be indecisive

105. He has a flair for _____.

n. the science dealing with the logic of quantities, shapes, spaces, and arrangement

106. The two rivers _____ into one near this area.

v. to move or draw together at a specific location; (of lines) to move towards the same point where they join or meet

107. This company has invested heavily in Internet _____.

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

ANSWERS: 100. disintegrated, 101. sequence, 102. Lean, 103. twilight, 104. oscillates, 105. mathematics, 106. converge, 107. commerce

108. The discovery of a critical bug caused the company to delay the _____ release.
- n.* (abbreviation for application) software designed to run on smartphones and other mobile devices or inside a web browser on a PC
109. This electronic _____ is required to undergo periodic inspections to ensure precision.
- 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
110. The _____ Gospels of Matthew, Mark, Luke, and John are the most authoritative.
- adj.* relating to or following the accepted, authorized, or traditional rules, standards, or beliefs, especially in religion or literature
111. The hiker _____ their dog to a tree while they camped for the night.
- v.* to tie or secure an animal, person, or object with a rope, chain, or other similar devices to prevent it from moving too far away; (noun) a rope or chain used to tie up or restrain an animal, such as a horse or dog
112. The statement had a _____ impact on house prices.
- adj.* very sudden, very excellent, or full of action and excitement
113. Many people in this city use the _____ railway for transportation.
- n.* a shape like a curve or a circle made by something long and thin, such as a piece of string, that bends round and crosses itself
114. The ground acts as an _____ barrier against outside sounds.
- adj.* relating to sound or the sense of hearing
115. The _____ of molecules in steel changes significantly with temperature.
- n.* the arrangement or pattern of something or a group of related things

ANSWERS: 108. app's, 109. instrument, 110. Canonical, 111. tethered, 112. dramatic, 113. loop, 114. acoustic, 115. configuration

116. The piano provided a beautiful _____ to the singer's voice.

- n.* something that is added to or goes along with something else as a supplement, complement, or support; music played or sung along with a solo instrument or vocalist

117. He was a computer _____ and spent all his free time coding.

- n.* a person who is highly interested and knowledgeable about a particular subject or field, often to the point of being obsessed

118. The hotel is famous for its _____ including the casino.

- n.* public shows, films, television, or other performances or activities of enjoying people

119. The _____ length of her dress was perfect for the evening event.

- n.* the edge or border of a piece of cloth, typically sewn to prevent fraying or unraveling; a small margin or border around something; (verb) to fold the edge of a piece of fabric and sew it down to create a neat and secure finish

ANSWERS: 116. accompaniment, 117. geek, 118. entertainment, 119. hem