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## Vocabulary Builder Reference from...

David Lunney: Where does gold come from? | TED Talk https://www.ted.com/talks/david\_lunney\_where\_does

\_gold\_come\_from

### All Words

#### IMPORTANT

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## Session 1: Word List

medieval	<ul><li><i>adj.</i> relating to or belonging to the Middle Age that is for the period of A.D.600 to A.D. 1450</li><li><i>synonym</i>: gothic, knightly, antique</li></ul>
	(1) medieval times, (2) medieval history
	Only the <b>medieval</b> tower remained standing.
alchemy	<ul> <li><i>n</i>. a medieval chemical philosophy and speculative theory that aimed to transform base metals into gold or produce a universal elixir that could cure all diseases and grant immortality; a process of transformation or creation that appears magical or mysterious</li> <li><i>synonym</i>: sorcery, magic, transmutation</li> </ul>
	(1) alchemy experiment, (2) alchemy of emotions
	Today, the study of <b>alchemy</b> remains an important part of the history of science and philosophy
achieve	<ul> <li>v. to successfully complete a task or goal, often through hard work, perseverance, and dedication; to attain or accomplish something that one has set out to do</li> <li>synonym: accomplish, attain, reach</li> </ul>
	(1) achieve success, (2) achieve milestones
	I will work hard to <b>achieve</b> my goals and realize my dreams.

transform	<ul><li>v. to change in outward structure or looks;</li><li>synonym: alter, convert, change</li></ul>
	(1) <b>transform</b> an education system, (2) <b>transform</b> heat into power
	My father's death transformed my life completely.
gleam	<ul> <li>v. to reflect light in a way that creates a shining or bright and attractive appearance; to become visible or apparent</li> <li>synonym: glitter, shimmer, shine</li> </ul>
	(1) <b>gleam</b> in eyes, (2) <b>gleam</b> like honey
	The diamond ring <b>gleamed</b> in the sunlight, catching everyone's eye.
portray	<ul> <li>v. to depict or describe someone or something in a painting, film, book, or other artistic work</li> <li>synonym: depict, describe, illustrate</li> </ul>
	(1) <b>portray</b> feelings in words, (2) accurately <b>portray</b> the condition
	We often <b>portray</b> political problems as religious issues.
eccentric	<i>adj.</i> weird or unusual, sometimes in a funny way <i>synonym</i> : bizarre, abnormal, curious
	<ul><li>(1) display eccentric behavior, (2) eccentric characters</li><li>He was eccentric, but he was also a genius.</li></ul>
achievable	<i>adj.</i> possible to accomplish or attain <i>synonym</i> : attainable, possible, reachable
	(1) achievable task, (2) achievable plan
	Setting a realistic and <b>achievable</b> goal is the key to success.
manufacture	<ul> <li>v. to make goods in large numbers, usually in a factory using machines</li> </ul>
	synonym: create, fabricate, assemble
	(1) manufacture an enzyme, (2) manufacture a product
	The majority of synthetic vitamins are <b>manufactured</b> from oil.

modern	<i>adj.</i> of or belonging to the present time or recent times <i>synonym</i> : contemporary, stylish, current
	(1) modern poetry, (2) pre-modern agricultural society
	Their headquarters are in a <b>modern</b> skyscraper.
invention	<ul> <li>n. the creation of a new device or process resulting from study and experimentation; the act of inventing</li> <li>synonym: creation, design, innovation</li> </ul>
	(1) the <b>invention</b> of new techniques, (2) common <b>invention</b>
	Necessity is the mother of <b>invention</b> .
precious	<i>adj.</i> uncommon and extremely valuable <i>synonym</i> : adored, cherished, valued
	(1) price of <b>precious</b> metals, (2) <b>precious</b> information
	We cannot afford to squander <b>precious</b> time.
embedded	<i>adj.</i> fixed firmly into the surface of something <i>synonym</i> : ingrained, implanted, inserted
	(1) embedded systems, (2) LED- embedded glass
	The <b>embedded</b> chip in my credit card allows me to make contactless payments.
planet	<i>n.</i> any of the nine large celestial bodies that circle in the solar system; any celestial body that revolves around a star
	synonym: earth, world, globe
	(1) <b>planet</b> like the Earth, (2) save the <b>planet</b>
	Mercury is the closest <b>planet</b> to the sun.
gaze	<ul> <li>v. to stare at something or someone for an extended time, usually out of surprise or adoration, or because you are thinking about something else</li> </ul>
	synonym: stare, gawk, look
	<ul><li>(1) gaze steadily at his face, (2) gaze absently out a window</li><li>The youngster was gazed at by the beast.</li></ul>

upward	<ul> <li>adv. toward the top or highest point, or a higher position or level; (adjective) extending or moving toward a higher place</li> </ul>
	synonym: skyward, uphill
	(1) look <b>upward</b> , (2) demonstrate an <b>upward</b> trend
	The company adjusted the revenue <b>upward</b> .
extraterrestrial	<ul> <li>adj. relating to or existing outside of the Earth's atmosphere or planetary boundaries; pertaining to beings or phenomena that originate from beyond the Earth</li> <li>synonym: alien, outer, otherworldly</li> </ul>
	(1) extraterrestrial planet, (2) extraterrestrial intelligence
	Scientists are constantly searching for signs of
	extraterrestrial life in the universe.
rocky	<i>adj.</i> full of or abounding in rocks; of, relating to, or made of rock
	<pre>synonym: stony, boulder-strewn, rough</pre>
	(1) <b>rocky</b> terrain, (2) <b>rocky</b> relationship
	The <b>rocky</b> road made it difficult to drive on.
crust	<ul> <li>a hard outer layer that forms on the surface of a liquid as it cools or on a solid as a result of exposure to air or moisture</li> </ul>
	synonym: layer, coating, shell
	(1) crust formation, (2) the earth's crust
	The bread's <b>crust</b> was golden brown and crispy.
cataclysm	<ul> <li>n. a sudden violent event that changes the earth's environment, such as a flood or a war</li> <li>synonym: disaster, catastrophe, turmoil</li> </ul>
	(1) global cataclysm, (2) existential cataclysm
	The earthquake was a cataclysm from which the local
	people never recovered.
stellar	<i>adj.</i> excellent; relating to or resembling a star, especially in quality or attractiveness

	synonym: starry, celestial, astral
	(1) stellar performance, (2) a stellar system
	She received a stellar review from her boss, which boosted
	her confidence.
supernova	<ul> <li>n. a powerful and luminous explosion that occurs in some stars, resulting in an extremely bright, short-lived object that later fades into a supernova remnant</li> <li>synonym: explosion, detonation, blast</li> </ul>
	(1) extragalactic <b>supernova</b> , (2) <b>supernova</b> remnant
	The <b>supernova</b> explosion created a bright new star in the night sky.
hydrogen	<i>n.</i> the chemical element that is the lightest gas is colorless, odorless, tasteless, and combines with oxygen to form water
	(1) <b>hydrogen</b> gas, (2) heavy <b>hydrogen</b>
	The hydrogen and the oxygen react and then form water.
enormous	adj. extremely large or great
	synonym: huge, giant, gigantic
	(1) enormous amount, (2) enormous potential
	Shakespeare's output of poetry was enormous.
gravitational	<i>adj.</i> relating to or caused by gravity (= the force that attracts objects towards one another)
	synonym: weighty, heavy, earthbound
	(1) gravitational energy, (2) gravitational waves
	The gravitational force of the black hole was so strong that
	nothing, not even light, could escape.
compress	<ul> <li>v. to press or squeeze together to make something take up less space</li> </ul>
	synonym: condense, constrict, squeeze
	(1) <b>compress</b> the chest, (2) <b>compress</b> gas
	She <b>compressed</b> the files into a single ZIP archive to save

space on her computer.

trigger	<ul> <li>v. to make something happen suddenly; to cause something such as a device, machine, etc. to function</li> <li>synonym: activate, spark, drive</li> </ul>
	(1) trigger a biochemical response, (2) trigger inflation
	The incident triggered a political controversy.
nuclear	adj. of or relating to or constituting the nucleus of an atom; deriving destructive energy from the release of atomic energy
	synonym: atomic
	(1) <b>nuclear</b> fusion, (2) use of <b>nuclear</b> power
	Many countries have now agreed to a treaty banning the use
	of <b>nuclear</b> weapons.
fusion	<i>n.</i> the process of combining two or more things to form a single entity
	synonym: merger, consolidation, amalgamation
	(1) heat <b>fusion</b> , (2) <b>fusion</b> cuisine
	Nuclear fusion is a process in which atomic nuclei combine
	to form heavier nuclei.
process	<ul> <li>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</li> <li>synonym: procedure, method, system</li> </ul>
	(1) <b>process</b> improvement, (2) decision-making <b>process</b>
	The <b>process</b> for applying for a visa can be lengthy and complicated.
release	<i>v.</i> to set free or allow to escape from confinement <i>synonym</i> : free, let go, discharge
	(1) <b>release</b> a prisoner, (2) <b>release</b> CO2 into the air
	The animal rights group worked to release the dolphins back

into the wild.

helium	<ul> <li>n. a colorless, odorless, tasteless, non-toxic, inert, monatomic gas, the first in the noble gas series in the periodic table</li> <li>synonym: He, light gas, noble gas</li> </ul>
	(1) <b>helium</b> atom, (2) <b>helium</b> gas
	The helium-filled balloons floated into the sky.
carbon	<ul> <li>n. a chemical element that can be found in pure form as diamond or graphite, and it is also an essential part of coal and oil and is found in all plants and animals</li> </ul>
	(1) carbon dioxide, (2) carbon emission
	Trees absorb <b>carbon</b> dioxide and give off oxygen.
oxygen	<ul> <li>n. the chemical element with the symbol O that is present in air and water and is necessary for people, animals, and plants to live</li> </ul>
	(1) the hydrogen binds the <b>oxygen</b> , (2) lack of <b>oxygen</b>
	The passenger grabbed for the <b>oxygen</b> mask.
subsequent	<i>adj.</i> happening or occurring later or after something else <i>synonym</i> : later, following, ensuing
	<ol> <li>over subsequent months, (2) reduce subsequent mortality</li> </ol>
	In the <b>subsequent</b> meeting, the team discussed ways to improve productivity.
nickel	<ul> <li>n. a silver-white metallic element with the symbol Ni, used in many alloys and as a coin; a United States coin worth one-twentieth of a dollar</li> <li>synonym: metal, coin, alloy</li> </ul>
	(1) <b>nickel</b> ore, (2) <b>nickel</b> plate
	The <b>nickel</b> in my pocket jingled as I walked.
peter	v. to fail or lose power, efficiency, or value gradually before coming to an end

	synonym: decrease, drop, lower
	(1) eventually <b>peter</b> out, (2) begin to <b>peter</b> out
	The music just <b>petered</b> out.
collapse	<ul> <li>v. to fall down or give way suddenly, often after breaking apart</li> <li>synonym: tumble, spill, bankruptcy</li> </ul>
	(1) the stock market <b>collapsed</b> , (2) ready to <b>collapse</b>
	The roof finally <b>collapsed</b> after three days and three nights of
	heavy snowfall.
bounce	<ul> <li>v. to cause to move up or away after hitting a surface; to spring back</li> <li>synonym: bound, leap, spring</li> </ul>
	(1) <b>bounce</b> across the floor, (2) <b>bounce</b> back from failure
	They will <b>bounce</b> between various emotional states.
injection	<ul> <li>n. the act of introducing a liquid, especially a drug, into the body using a needle and a syringe</li> <li>synonym: shot, infusion, dose</li> </ul>
	(1) fuel <b>injection</b> , (2) <b>injection</b> needle
	He received an <b>injection</b> of antibiotics to treat his infection.
explode	<ul> <li>v. to burst or break open violently and noisily; to cause something to burst or break open</li> </ul>
	synonym: detonate, blast, rupture
	(1) <b>explode</b> in anger, (2) <b>explode</b> in popularity
	The old building <b>exploded</b> in a fiery inferno.
extreme	adj. very great in amount or degree
	synonym: farthermost, outermost, fierce
	(1) <b>extreme</b> sports, (2) <b>extreme</b> weather events
	Solar gravity creates <b>extreme</b> pressures and temperatures.
atomic	<ul> <li>adj. of or relating to atom (= the smallest component of an element)</li> </ul>
	synonym: tiny, microscopic, nuclear

	(1) <b>atomic</b> nucleus, (2) <b>atomic</b> bomb Carbon has an <b>atomic</b> mass of 12.
proton	<i>n</i> . a very small particle with a positive charge equal to the negative charge of an electron that forms part of the nucleus of all atoms
	(1) <b>proton</b> decay, (2) <b>proton</b> conductivity
	The solar wind is composed almost entirely of electrons and
	protons.
electron	<i>n.</i> a tiny particle with the negative electrical charge <i>synonym</i> : negatron
	(1) flow of <b>electrons</b> , (2) beam of <b>electrons</b>
	The outermost <b>electron</b> shell determines the chemical properties of an atom.
neutron	n. a subatomic particle with no electric charge that is present in all atomic nuclei except those of ordinary hydrogen
	(1) <b>neutron</b> acceleration, (2) the antiparticle of a <b>neutron</b>
	A <b>neutron</b> star is incredibly dense and has a strong
	gravitational pull.
repel	v. to force an attack or attacker to withdraw or retreat <i>synonym</i> : turn away, fight off, force back
	(1) <b>repel</b> bandits, (2) <b>repel</b> bad luck
	This material can <b>repel</b> moisture swiftly.
capture	<ul> <li>v. to catch a person or an animal and confine them in an area which they cannot escape</li> <li>synonym: catch, arrest, imprison</li> </ul>
	(1) capture a glimpse, (2) capture customers' hearts
	I was able to <b>capture</b> the moment on film.
norm	<i>n.</i> something that is regarded as usual, typical, or standard <i>synonym</i> : criterion, mean, standard

	<ol> <li>(1) norm of action, (2) cultural norm</li> <li>The systems we have developed has accepted as industry norms.</li> </ol>
circumstance	<ul> <li>n. the specific conditions or events that surround a particular situation or occurrence</li> <li>synonym: condition, context, environment</li> </ul>
	(1) <b>circumstance</b> of birth, (2) <b>circumstance</b> of injury She explained the <b>circumstances</b> surrounding the accident.
uranium	<ul> <li>n. a chemical element with the symbol U, atomic number 92, that is a dense, silvery-white metal that is radioactive and is used as a fuel for nuclear power plants</li> <li>synonym: U</li> </ul>
	<ul> <li>(1) uranium mining, (2) radioactive uranium isotope</li> <li>The mining and processing of uranium can lead to releasing radioactive materials into the environment.</li> </ul>
contrast	<i>v.</i> to put in opposition to show or emphasize differences <i>synonym</i> : differ, vary, counterpoint
	(1) <b>contrast</b> with a decade ago, (2) <b>contrast</b> two things It's intriguing to compare and <b>contrast</b> the two authors.
transformation	<ul> <li>n. a complete change in form, nature, or appearance of someone or something</li> <li>synonym: change, conversion, renewal</li> </ul>
	(1) the <b>transformation</b> of a tadpole into a frog, (2) cast a <b>transformation</b> spell
	Understanding unitary <b>transformations</b> of a normal matrix require considerable mathematical sophistication.
expand	<ul> <li>v. to increase or to make something greater in size, number, or importance</li> <li>synonym: extend, grow, boost</li> </ul>
	<ol> <li>(1) expand a lineup, (2) expand agricultural output</li> <li>They hope to expand their business worldwide.</li> </ol>

shockwave	<ul> <li>n. a wave or series of waves produced by a sudden disturbance, such as an explosion or a supersonic flow, capable of producing significant changes in pressure, temperature, and density of the medium through which it travels</li> <li>synonym: blast, shock, impact</li> </ul>
	(1) the propagation of <b>shockwaves</b> , (2) <b>shockwave</b> effect
	The shockwave from the explosion shattered windows for
	several blocks.
propel	<ul> <li>v. to move, drive or push something forward or in a particular direction, often with a lot of force</li> <li>synonym: drive, push, move</li> </ul>
	(1) <b>propel</b> growth, (2) <b>propel</b> the ship
	An increase in employment helps <b>propel</b> economic growth.
debris	<i>n.</i> broken or torn fragments of something <i>synonym</i> : remains, remnants, garbage
	(1) space <b>debris</b> , (2) pile of <b>debris</b>
	Marine <b>debris</b> is a major continuous global problem.
interstellar	<i>adj.</i> relating to or located in the space between stars <i>synonym</i> : galactic, cosmic, intergalactic
	(1) interstellar communication, (2) interstellar space
	The interstellar medium comprises gas, dust, and cosmic
	rays that fill the space between stars.
medium	<ul> <li>adj. of a size, amount, or level that is average or intermediate; (noun) a means or instrumentality for storing or communicating information</li> <li>synonym: average, intermediate, (noun) channel</li> </ul>
	(1) medium color, (2) an advertising medium
	The medium size shirt fits him perfectly.
swirl	v. to move in a circular or spiral pattern synonym: spin, whirl, turn
	(1) <b>swirl</b> the wine, (2) <b>swirl</b> up dirt and dust

The chef expertly **swirled** the sauce onto the plate. to reduce the volume or size of something, often by condense v. removing water or other liquid; to make something shorter, more concise, or more concentrated synonym: compress, compact, shorten (1) **condense** the text, (2) **condense** water vapor I need to **condense** all of my notes into a manageable summary for my presentation. knead v. to work or press into a flexible mixture, especially bread dough, with the hands, fingers, or a device synonym: massage, rub, manipulate (1) knead clay, (2) knead muscles I need to **knead** the dough before I can bake the bread. a blood vessel that carries blood from various parts of vein n. the body back to the heart; a mineral deposit or layer of rock that is contained within another rock formation synonym: artery, blood vessel, capillary (1) spider vein, (2) collapsed vein The nurse inserted the needle into the **vein** in his arm to draw blood. *adj.* relating to or produced by the internal heat of the earth; geothermal often used to refer to energy produced by tapping into the natural heat of the earth synonym: underground, thermal, subterranean (1) geothermal activity, (2) geothermal drilling The town is exploring using **geothermal** energy to power its homes and buildings. extract n. a short passage taken from a book, piece of music, etc.; a substance obtained from something through a specific process; (verb) to obtain from something or to remove something by effort or force synonym: excerpt, quote, distillation

	(1) a brief <b>extract</b> from the book, (2) botanical <b>extract</b>
	Anesthetize the gum before <b>extracting</b> the teeth.
compound	<ul> <li><i>n.</i> an item composed of two or more distinct elements combined; a chemical formed by the combination of two or more elements</li> <li><i>synonym</i>: combination, mixture, blend</li> </ul>
	(1) aquatic <b>compound</b> , (2) harmful <b>compound</b>
	Common salt is a sodium and chlorine <b>compound</b> .
rarity	<ul> <li>n. the condition or trait of being unusual; something that is unusual</li> <li>synonym: rareness, infrequency, uncommonness</li> </ul>
	(1) the <b>rarity</b> of the event, (2) book of great <b>rarity</b>
	Due to their <b>rarity</b> , diamonds are expensive.
	Due to their ranky, diamonds are expensive.
pile	<ul> <li><i>n</i>. a collection of objects positioned one on top of another; a large sum of something, such as money</li> <li><i>synonym</i>: accumulation, heap, stack</li> </ul>
	(1) a sand <b>pile</b> , (2) the height of a <b>pile</b>
	After the party, they had to clean up <b>piles</b> of dirty dishes.
represent	<ul> <li>v. to speak, act, or be present on behalf of another person or group; to form or constitute</li> <li>synonym: depict, express, describe</li> </ul>
	(1) <b>represent</b> by a diagram, (2) the characters that <b>represent</b> numbers
	We elected him to <b>represent</b> us at the international
	conference.
mass	<i>n.</i> a large amount of a substance with no definite shape or form; a large number of people or things grouped or crowded together
	synonym: abundance, crowd, mob
	(1) a mass of molten rock, (2) critical mass
	The <b>mass</b> of people who do not own property is politically

impotent.

dense	<ul> <li>adj. containing a large number of people or something with little space between them</li> <li>synonym: heavy, thick, idiotic</li> </ul>
	(1) nutrient- dense foods, (2) dense forests
	The entire mountain is covered in <b>dense</b> rainforest.
covet	<ul> <li>v. to strongly desire or crave something, particularly something that belongs to someone else; to have an excessive or envious desire for</li> </ul>
	synonym: desire, yearn, crave
	(1) <b>covet</b> wealth, (2) <b>covet</b> fame
	She couldn't help but <b>covet</b> her friend's designer handbag.
commodity	n. a product or a raw material that can be traded, bought, or sold
	synonym: merchandise, goods, entity
	(1) <b>commodity</b> tax, (2) international <b>commodity</b>
	The government announced a policy to control the rise in
	commodity prices.
particle	<ul> <li>n. a small piece of something; a word or piece of a term with grammatical function but little or no significance synonym: atom, grain, bit</li> </ul>
	(1) charged <b>particle</b> , (2) <b>particle</b> energy
	We can calculate the position of the <b>particles</b> statistically.
accelerate	<ul> <li>v. to make something faster or earlier; to cause to develop or progress more quickly</li> <li>synonym: speed up, quicken, rev</li> </ul>
	(1) accelerate a chemical reaction, (2) accelerate the car
	The government tried to <b>accelerate</b> the commercialization of this development.
mimic	<ul> <li>v. to imitate someone's speech, movement, or behavior, especially to make others laugh</li> </ul>

	synonym: mirror, imitate, ape
	(1) mimic a human voice, (2) mimic numerous instruments
	He is very popular at school because he can mimic all the
	teachers' accents.
complexity	<ul> <li>n. the state or quality of being complicated or intricate and difficult to understand</li> <li>synonym: intricacy, sophistication, elaboration</li> </ul>
	(1) cognitive <b>complexity</b> , (2) <b>complexity</b> theory
	The project's <b>complexity</b> made it difficult for the team to complete it on time.
reaction	<ul> <li>n. a response that reveals a person's feelings or attitude; (in chemistry) a process in which one or more substances are changed into others</li> <li>synonym: response, reply, answer</li> </ul>
	(1) chemical <b>reaction</b> , (2) trigger a <b>reaction</b>
	There was a chemical <b>reaction</b> of the lime with the
	groundwater.
construct	<ul> <li>v. to build or create something; to assemble or combine different parts to form something whole</li> <li>synonym: build, assemble, create</li> </ul>
	(1) <b>construct</b> a 3D image, (2) <b>construct</b> a dam
	He <b>constructs</b> hypotheses that no mathematician has ever imagined before.
atom	<ul> <li>n. the smallest unit of ordinary matter that forms a chemical element, composed of a nucleus and one or more electrons bound to the nucleus</li> <li>synonym: particle, element, fraction</li> </ul>
	(1) oxygen atom, (2) neutral hydrogen atoms
	The outermost electron shell of an atom determines its
	chemical characteristics.
universe	<i>n.</i> everything that exists, especially all physical matter, including planets, stars, galaxies, and all other forms of

	matter and energy		
	synonym: cosmos, macrocosm		
	(1) theory of the <b>universe</b> , (2) expansion of the <b>universe</b>		
	The <b>universe</b> is about 13.8 billion years old.		
gram	n. a metric unit of weight equal to one-thousandth of a kilogram		
	(1) centimeter- gram-second system, (2) gram amount		
	How much is it per one hundred grams?		
vast	<i>adj.</i> enormous in size, number, amount, or quantity <i>synonym</i> : expansive, extended, boundless		
	(1) <b>vast</b> majority, (2) <b>vast</b> desert		
	A vast audience viewed the broadcast.		
exceed	<ul> <li>v. to surpass or go beyond a limit, expectation, or requirement; to be better or greater than anticipated or desired</li> </ul>		
	synonym: surpass, outdo, excel		
	(1) <b>exceed</b> sales targets, (2) <b>exceed</b> the speed limit		
	The athlete's performance <b>exceeded</b> all expectations,		
	breaking a world record.		
hypothesis	<i>n</i> . a proposed idea or explanation that is based on a few known facts but has not yet been proven to be true or accurate		
	synonym: assumption, conjecture, theory		
	(1) test my <b>hypothesis</b> , (2) a bold <b>hypothesis</b>		
	This evidence supports the big-bang hypothesis.		
bury	<i>v.</i> to place a dead body in the ground, grave, or tomb <i>synonym</i> : entomb, sink, forget		
	(1) <b>bury</b> in the earth, (2) <b>bury</b> emotion		
	There is plenty of space to <b>bury</b> everyone.		

estimate	<ul> <li>v. to guess or calculate the cost, size, value, etc. of something</li> </ul>
	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.
dissolve	<ul> <li>v. to be or cause to be absorbed by a liquid to form a part of the solution; to close down or dismiss</li> <li>synonym: disband, disappear, liquefy</li> </ul>
	(1) <b>dissolve</b> the sugar, (2) officially <b>dissolved</b> the marriage
	The political party <b>dissolved</b> after much internal fighting.
minuscule	adj. extremely small; tiny
	synonym: tiny, insignificant, microscopic
	(1) <b>minuscule</b> amount, (2) <b>minuscule</b> letters
	This ore emits minuscule quantities of radiation
concentration	<i>n.</i> the ability to focus all your time and energy on one thing without thinking about anything else.
	synonym: attention, engagement, assiduity
	(1) <b>concentration</b> of armaments, (2) his research area of <b>concentration</b>
	This exam requires excellent <b>concentration</b> to pass.
recover	<i>v.</i> to return to a former condition, health, mind, or strength <i>synonym</i> : come back, convalesce, heal
	(1) <b>recover</b> a loss, (2) <b>recover</b> approval ratings
	She is still <b>recovering</b> from a shot to her shoulder.
tap	<ul> <li>v. to hit someone or something quickly, gently, and often repeatedly; to use existing resources, such as energy, knowledge, etc.</li> </ul>
	synonym: knock, exploit, use
	(1) <b>tap</b> a new market, (2) <b>tap</b> keyboard with an index finger
	To expand the company, we must <b>tap</b> new human resources.

wealth	<ul> <li><i>n</i>. a large amount of money, property, or other things that someone or an organization owns</li> <li><i>synonym</i>: affluence, assets, fortunate</li> <li>(1) majority of his wealth, (2) material wealth</li> <li>The wealth inequality was unavoidable.</li> </ul>			
treasure	<ul> <li>n. a valuable or desirable possession; something that is cherished or held dear; a collection of valuable objects or money that is hidden or protected</li> <li>synonym: hoard, fortune, gem</li> </ul>			
	(1) treasure hunt, (2) treasure island			
	The pirates searched for buried <b>treasure</b> in the dunes.			
eradicate	<ul> <li>v. to get rid of or destroy something completely, especially something bad</li> <li>synonym: destroy, eliminate, exterminate</li> </ul>			
	(1) eradicate the deficit, (2) eradicate racial discrimination			
	We are trying to <b>eradicate</b> this disease from the world.			

## **Session 2: Spelling**

1.	LED-emed glass	adj.	fixed firmly into the surface of something
2.	nur fusion	adj.	of or relating to or constituting the nucleus of an atom; deriving destructive energy from the release of atomic energy
3.	poy feelings in words	v.	to depict or describe someone or something in a painting, film, book, or other artistic work
4.	dee forests	adj.	containing a large number of people or something with little space between them
5.	fuel inon	n.	the act of introducing a liquid, especially a drug, into the body using a needle and a syringe
6.	manre a product	v.	to make goods in large numbers, usually in a factory using machines
7.	ge steadily at his face	v.	to stare at something or someone for an extended time, usually out of surprise or adoration, or because you are thinking about something else
8.	a str system	adj.	excellent; relating to or resembling a star, especially in quality or attractiveness
9.	spider vn	n.	a blood vessel that carries blood from various parts of the body back to the heart; a mineral deposit or layer of rock that is contained within another rock formation

ANSWERS: 1. embedded, 2. nuclear, 3. portray, 4. dense, 5. injection, 6. manufacture, 7. gaze, 8. stellar, 9. vein

10.	cae customers' hearts	v.	to catch a person or an animal and confine them in an area which they cannot escape
11.	glm like honey	v.	to reflect light in a way that creates a shining or bright and attractive appearance; to become visible or apparent
12.	heavy hyen	n.	the chemical element that is the lightest gas is colorless, odorless, tasteless, and combines with oxygen to form water
13.	the characters that rent numbers	v.	to speak, act, or be present on behalf of another person or group; to form or constitute
14.	knd clay	v.	to work or press into a flexible mixture, especially bread dough, with the hands, fingers, or a device
15.	extial intelligence	adj.	relating to or existing outside of the Earth's atmosphere or planetary boundaries; pertaining to beings or phenomena that originate from beyond the Earth
16.	meal times	adj.	relating to or belonging to the Middle Age that is for the period of A.D.600 to A.D. 1450
17.	decision-making prs	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

ANSWERS: 10. capture, 11. gleam, 12. hydrogen, 13. represent, 14. knead, 15. extraterrestrial, 16. medieval, 17. process

18.	can dioxide	n.	a chemical element that can be found in pure form as diamond or graphite, and it is also an essential part of coal and oil and is found in all plants and animals
19.	space des	n.	broken or torn fragments of something
20.	centimeter-gm-second system	n.	a metric unit of weight equal to one-thousandth of a kilogram
21.	geoal drilling	adj.	relating to or produced by the internal heat of the earth; often used to refer to energy produced by tapping into the natural heat of the earth
22.	book of great ray	n.	the condition or trait of being unusual; something that is unusual
23.	neutral hydrogen ams	n.	the smallest unit of ordinary matter that forms a chemical element, composed of a nucleus and one or more electrons bound to the nucleus
24.	pre-mon agricultural society	adj.	of or belonging to the present time or recent times
25.	heat fun	n.	the process of combining two or more things to form a single entity
26.	vt desert	adj.	enormous in size, number, amount, or quantity
27.	ready to cose	v.	to fall down or give way suddenly, often after breaking apart
28.	the antiparticle of a nen	n.	a subatomic particle with no electric charge that is present in all atomic nuclei except those of ordinary hydrogen

ANSWERS: 18. carbon, 19. debris, 20. gram, 21. geothermal, 22. rarity, 23. atom, 24. modern, 25. fusion, 26. vast, 27. collapse, 28. neutron

29. existential casm	n.	a sudden violent event that changes the earth's environment, such as a flood or a war
30. t_p keyboard with an index finger	v.	to hit someone or something quickly, gently, and often repeatedly; to use existing resources, such as energy, knowledge, etc.
31. trre island	n.	a valuable or desirable possession; something that is cherished or held dear; a collection of valuable objects or money that is hidden or protected
32. dive the sugar	v.	to be or cause to be absorbed by a liquid to form a part of the solution; to close down or dismiss
33. prl the ship	v.	to move, drive or push something forward or in a particular direction, often with a lot of force
34. international coty	n.	a product or a raw material that can be traded, bought, or sold
35. ree a prisoner	<i>v</i> .	to set free or allow to escape from confinement
36. enus amount	adj.	extremely large or great
37. the hydrogen binds the oxn	n.	the chemical element with the symbol O that is present in air and water and is necessary for people, animals, and plants to live
38. demonstrate an upd trend	adv.	toward the top or highest point, or a higher position or level; (adjective) extending or moving toward a higher place

ANSWERS: 29. cataclysm, 30. tap, 31. treasure, 32. dissolve, 33. propel, 34. commodity, 35. release, 36. enormous, 37. oxygen, 38. upward

39.	exe weather events	adj.	very great in amount or degree
40.	accte a chemical reaction	v.	to make something faster or earlier; to cause to develop or progress more quickly
41.	pile of des	n.	broken or torn fragments of something
42.	cultural nm	n.	something that is regarded as usual, typical, or standard
43.	urm mining	n.	a chemical element with the symbol U, atomic number 92, that is a dense, silvery-white metal that is radioactive and is used as a fuel for nuclear power plants
44.	trre hunt	n.	a valuable or desirable possession; something that is cherished or held dear; a collection of valuable objects or money that is hidden or protected
45.	crt formation	n.	a hard outer layer that forms on the surface of a liquid as it cools or on a solid as a result of exposure to air or moisture
46.	glm in eyes	v.	to reflect light in a way that creates a shining or bright and attractive appearance; to become visible or apparent
47.	the inon of new techniques	n.	the creation of a new device or process resulting from study and experimentation; the act of inventing
48.	hyen gas	n.	the chemical element that is the lightest gas is colorless, odorless, tasteless, and combines with oxygen to form water

ANSWERS: 39. extreme, 40. accelerate, 41. debris, 42. norm, 43. uranium, 44. treasure, 45. crust, 46. gleam, 47. invention, 48. hydrogen

49.	lack of oxn	n.	the chemical element with the symbol O that is present in air and water and is necessary for people, animals, and plants to live
50.	a ms of molten rock	n.	a large amount of a substance with no definite shape or form; a large number of people or things grouped or crowded together
51.	roy terrain	adj.	full of or abounding in rocks; of, relating to, or made of rock
52.	accurately poy the condition	v.	to depict or describe someone or something in a painting, film, book, or other artistic work
53.	accte the car	v.	to make something faster or earlier; to cause to develop or progress more quickly
54.	radioactive urm isotope	n.	a chemical element with the symbol U, atomic number 92, that is a dense, silvery-white metal that is radioactive and is used as a fuel for nuclear power plants
55.	swl the wine	<i>v</i> .	to move in a circular or spiral pattern
56.	test my hypis	n.	a proposed idea or explanation that is based on a few known facts but has not yet been proven to be true or accurate
57.	cot wealth	v.	to strongly desire or crave something, particularly something that belongs to someone else; to have an excessive or envious desire for

ANSWERS: 49. oxygen, 50. mass, 51. rocky, 52. portray, 53. accelerate, 54. uranium, 55. swirl, 56. hypothesis, 57. covet

58. coty tax	n.	a product or a raw material that can be traded, bought, or sold
59. an advertising mem	adj.	of a size, amount, or level that is average or intermediate; (noun) a means or instrumentality for storing or communicating information
60. can emission	n.	a chemical element that can be found in pure form as diamond or graphite, and it is also an essential part of coal and oil and is found in all plants and animals
61. ge absently out a window	v.	to stare at something or someone for an extended time, usually out of surprise or adoration, or because you are thinking about something else
62. over subnt months	adj.	happening or occurring later or after something else
63. achle task	adj.	possible to accomplish or attain
64. collapsed vn	n.	a blood vessel that carries blood from various parts of the body back to the heart; a mineral deposit or layer of rock that is contained within another rock formation
65. aly experiment	n.	a medieval chemical philosophy and speculative theory that aimed to transform base metals into gold or produce a universal elixir that could cure all diseases and grant immortality; a process of transformation or creation that appears magical or mysterious

ANSWERS: 58. commodity, 59. medium, 60. carbon, 61. gaze, 62. subsequent, 63. achievable, 64. vein, 65. alchemy

66. display ecic behavior	adj.	weird or unusual, sometimes in a funny way
67. use of nur power	adj.	of or relating to or constituting the nucleus of an atom; deriving destructive energy from the release of atomic energy
68. save the plt	n.	any of the nine large celestial bodies that circle in the solar system; any celestial body that revolves around a star
69. rer a loss	v.	to return to a former condition, health, mind, or strength
70. prn decay	n.	a very small particle with a positive charge equal to the negative charge of an electron that forms part of the nucleus of all atoms
71. by emotion	v.	to place a dead body in the ground, grave, or tomb
72. oxygen am	n.	the smallest unit of ordinary matter that forms a chemical element, composed of a nucleus and one or more electrons bound to the nucleus
73. rer approval ratings	v.	to return to a former condition, health, mind, or strength
74. by in the earth	v.	to place a dead body in the ground, grave, or tomb
75. the stock market cosed	v.	to fall down or give way suddenly, often after breaking apart
76. aquatic cond	n.	an item composed of two or more distinct elements combined; a chemical formed by the combination of two or more elements

ANSWERS: 66. eccentric, 67. nuclear, 68. planet, 69. recover, 70. proton, 71. bury, 72. atom, 73. recover, 74. bury, 75. collapse, 76. compound

77.	ace milestones	v.	to successfully complete a task or goal, often through hard work, perseverance, and dedication; to attain or accomplish something that one has set out to do
78.	coss gas	v.	to press or squeeze together to make something take up less space
79.	a bold hypis	n.	a proposed idea or explanation that is based on a few known facts but has not yet been proven to be true or accurate
80.	nm of action	n.	something that is regarded as usual, typical, or standard
81.	officially dived the marriage	v.	to be or cause to be absorbed by a liquid to form a part of the solution; to close down or dismiss
82.	coss the chest	v.	to press or squeeze together to make something take up less space
83.	prI growth	v.	to move, drive or push something forward or in a particular direction, often with a lot of force
84.	erte the deficit	v.	to get rid of or destroy something completely, especially something bad
85.	critical ms	n.	a large amount of a substance with no definite shape or form; a large number of people or things grouped or crowded together
86.	achle plan	adj.	possible to accomplish or attain
87.	trrm heat into power	v.	to change in outward structure or looks;
88.	mem color	adj.	of a size, amount, or level that is average or intermediate; (noun) a means or instrumentality for storing or communicating information

ANSWERS: 77. achieve, 78. compress, 79. hypothesis, 80. norm, 81. dissolve, 82. compress, 83. propel, 84. eradicate, 85. mass, 86. achievable, 87. transform, 88. medium

89. granal waves	adj.	relating to or caused by gravity (= the force that attracts objects towards one another)
90. meal history	adj.	relating to or belonging to the Middle Age that is for the period of A.D.600 to A.D. 1450
91. comty theory	n.	the state or quality of being complicated or intricate and difficult to understand
92. cost with a decade ago	v.	to put in opposition to show or emphasize differences
93. cast a traion spell	n.	a complete change in form, nature, or appearance of someone or something
94. aly of emotions	n.	a medieval chemical philosophy and speculative theory that aimed to transform base metals into gold or produce a universal elixir that could cure all diseases and grant immortality; a process of transformation or creation that appears magical or mysterious
95. flow of elons	n.	a tiny particle with the negative electrical charge
96. nil plate	n.	a silver-white metallic element with the symbol Ni, used in many alloys and as a coin; a United States coin worth one-twentieth of a dollar
97. cot fame	v.	to strongly desire or crave something, particularly something that belongs to someone else; to have an excessive or envious desire for

ANSWERS: 89. gravitational, 90. medieval, 91. complexity, 92. contrast, 93. transformation, 94. alchemy, 95. electron, 96. nickel, 97. covet

98. cost two things	v.	to put in opposition to show or emphasize differences
99. atc nucleus	adj.	of or relating to atom (= the smallest component of an element)
100. granal energy	adj.	relating to or caused by gravity (= the force that attracts objects towards one another)
101. his research area of conion	n.	the ability to focus all your time and energy on one thing without thinking about anything else.
102. trr inflation	v.	to make something happen suddenly; to cause something such as a device, machine, etc. to function
103. harmful cond	n.	an item composed of two or more distinct elements combined; a chemical formed by the combination of two or more elements
104. nen acceleration	n.	a subatomic particle with no electric charge that is present in all atomic nuclei except those of ordinary hydrogen
105. prus information	adj.	uncommon and extremely valuable
106. prn conductivity	n.	a very small particle with a positive charge equal to the negative charge of an electron that forms part of the nucleus of all atoms
107. knd muscles	v.	to work or press into a flexible mixture, especially bread dough, with the hands, fingers, or a device

ANSWERS: 98. contrast, 99. atomic, 100. gravitational, 101. concentration, 102. trigger, 103. compound, 104. neutron, 105. precious, 106. proton, 107. knead

108.	trr a biochemical response	v.	to make something happen suddenly; to cause something such as a device, machine, etc. to function
109.	extragalactic suva	n.	a powerful and luminous explosion that occurs in some stars, resulting in an extremely bright, short-lived object that later fades into a supernova remnant
110.	look upd	adv.	toward the top or highest point, or a higher position or level; (adjective) extending or moving toward a higher place
111.	common inon	n.	the creation of a new device or process resulting from study and experimentation; the act of inventing
112.	exd sales targets	v.	to surpass or go beyond a limit, expectation, or requirement; to be better or greater than anticipated or desired
113.	the traion of a tadpole into a frog	n.	a complete change in form, nature, or appearance of someone or something
114.	the earth's crt	n.	a hard outer layer that forms on the surface of a liquid as it cools or on a solid as a result of exposure to air or moisture
115.	roy relationship	adj.	full of or abounding in rocks; of, relating to, or made of rock
116.	inon needle	n.	the act of introducing a liquid, especially a drug, into the body using a needle and a syringe
117.	material weh	n.	a large amount of money, property, or other things that someone or an organization owns

ANSWERS: 108. trigger, 109. supernova, 110. upward, 111. invention, 112. exceed, 113. transformation, 114. crust, 115. rocky, 116. injection, 117. wealth

118. fun cuisine	n.	the process of combining two or more things to form a single entity
119. exd a lineup	ν.	to increase or to make something greater in size, number, or importance
120. a brief ext from the book	n.	a short passage taken from a book, piece of music, etc.; a substance obtained from something through a specific process; (verb) to obtain from something or to remove something by effort or force
121. exe sports	adj.	very great in amount or degree
122. a sand pe	n.	a collection of objects positioned one on top of another; a large sum of something, such as money
123. global casm	n.	a sudden violent event that changes the earth's environment, such as a flood or a war
124. exe in anger	v.	to burst or break open violently and noisily; to cause something to burst or break open
125. price of prus metals	adj.	uncommon and extremely valuable
126. the height of a pe	n.	a collection of objects positioned one on top of another; a large sum of something, such as money
127. cognitive comty	n.	the state or quality of being complicated or intricate and difficult to understand
128. plt like the Earth	n.	any of the nine large celestial bodies that circle in the solar system; any celestial body that revolves around a star

ANSWERS: 118. fusion, 119. expand, 120. extract, 121. extreme, 122. pile, 123. cataclysm, 124. explode, 125. precious, 126. pile, 127. complexity, 128. planet

129. mic a human voice	v.	to imitate someone's speech, movement, or behavior, especially to make others laugh
130. este this chicken to weigh three pounds	ν.	to guess or calculate the cost, size, value, etc. of something
131. rent by a diagram	v.	to speak, act, or be present on behalf of another person or group; to form or constitute
132. swl up dirt and dust	v.	to move in a circular or spiral pattern
133. pale energy	n.	a small piece of something; a word or piece of a term with grammatical function but little or no significance
134. exd the speed limit	v.	to surpass or go beyond a limit, expectation, or requirement; to be better or greater than anticipated or desired
135. intlar communication	adj.	relating to or located in the space between stars
136. ree CO2 into the air	v.	to set free or allow to escape from confinement
137. nil ore	n.	a silver-white metallic element with the symbol Ni, used in many alloys and as a coin; a United States coin worth one-twentieth of a dollar
138. the ray of the event	n.	the condition or trait of being unusual; something that is unusual
139. exe in popularity	v.	to burst or break open violently and noisily; to cause something to burst or break open

ANSWERS: 129. mimic, 130. estimate, 131. represent, 132. swirl, 133. particle, 134. exceed, 135. interstellar, 136. release, 137. nickel, 138. rarity, 139. explode

140. prs improvement	n.	a series of actions or operations performed to achieve a particular outcome or goal; a systematic procedure or approach used to accomplish a specific task or objective; a method of treating milk to make it
		suitable for consumption or use in other dairy products
141. theory of the unse	n.	everything that exists, especially all physical matter, including planets, stars, galaxies, and all other forms of matter and energy
142. suva remnant	n.	a powerful and luminous explosion that occurs in some stars, resulting in an extremely bright, short-lived object that later fades into a supernova remnant
143. chemical reon	n.	a response that reveals a person's feelings or attitude; (in chemistry) a process in which one or more substances are changed into others
144. emed systems	adj.	fixed firmly into the surface of something
145. vt majority	adj.	enormous in size, number, amount, or quantity
146. este a fair value	v.	to guess or calculate the cost, size, value, etc. of something
147. hem gas	n.	a colorless, odorless, tasteless, non-toxic, inert, monatomic gas, the first in the noble gas series in the periodic table

ANSWERS: 140. process, 141. universe, 142. supernova, 143. reaction, 144. embedded, 145. vast, 146. estimate, 147. helium

148. trrm an education system	<i>v</i> .	to change in outward structure or looks;
149. mon poetry	adj.	of or belonging to the present time or recent times
150. manre an enzyme	v.	to make goods in large numbers, usually in a factory using machines
151. exd agricultural output	ν.	to increase or to make something greater in size, number, or importance
152. extial planet	adj.	relating to or existing outside of the Earth's atmosphere or planetary boundaries; pertaining to beings or phenomena that originate from beyond the Earth
153. cirnce of birth	n.	the specific conditions or events that surround a particular situation or occurrence
154. cose the text	v.	to reduce the volume or size of something, often by removing water or other liquid; to make something shorter, more concise, or more concentrated
155. nutrient-dee foods	adj.	containing a large number of people or something with little space between them
156. ace success	v.	to successfully complete a task or goal, often through hard work, perseverance, and dedication; to attain or accomplish something that one has set out to do
157. begin to per out	v.	to fail or lose power, efficiency, or value gradually before coming to an end
158. beam of elons	n.	a tiny particle with the negative electrical charge

ANSWERS: 148. transform, 149. modern, 150. manufacture, 151. expand, 152. extraterrestrial, 153. circumstance, 154. condense, 155. dense, 156. achieve, 157. peter, 158. electron

159. str performance	adj.	excellent; relating to or resembling a star, especially in quality or attractiveness
160. gm amount	n.	a metric unit of weight equal to one-thousandth of a kilogram
161. cirnce of injury	n.	the specific conditions or events that surround a particular situation or occurrence
162. majority of his weh	n.	a large amount of money, property, or other things that someone or an organization owns
163. eventually per out	v.	to fail or lose power, efficiency, or value gradually before coming to an end
164. t_p a new market	v.	to hit someone or something quickly, gently, and often repeatedly; to use existing resources, such as energy, knowledge, etc.
165. boe across the floor	<i>v</i> .	to cause to move up or away after hitting a surface; to spring back
166. enus potential	adj.	extremely large or great
167. rel bad luck	v.	to force an attack or attacker to withdraw or retreat
168. expansion of the unse	n.	everything that exists, especially all physical matter, including planets, stars, galaxies, and all other forms of matter and energy
169. intlar space	adj.	relating to or located in the space between stars

ANSWERS: 159. stellar, 160. gram, 161. circumstance, 162. wealth, 163. peter, 164. tap, 165. bounce, 166. enormous, 167. repel, 168. universe, 169. interstellar

170. boe back from failure	v.	to cause to move up or away after hitting a surface; to spring back
171. mile letters	adj.	extremely small; tiny
172. coct a 3D image	v.	to build or create something; to assemble or combine different parts to form something whole
173. trigger a reon	n.	a response that reveals a person's feelings or attitude; (in chemistry) a process in which one or more substances are changed into others
174. ecic characters	adj.	weird or unusual, sometimes in a funny way
175. geoal activity	adj.	relating to or produced by the internal heat of the earth; often used to refer to energy produced by tapping into the natural heat of the earth
176. conion of armaments	n.	the ability to focus all your time and energy on one thing without thinking about anything else.
177. mile amount	adj.	extremely small; tiny
178. botanical ext	n.	a short passage taken from a book, piece of music, etc.; a substance obtained from something through a specific process; (verb) to obtain from something or to remove something by effort or force
179. shve effect	n.	a wave or series of waves produced by a sudden disturbance, such as an explosion or a supersonic flow, capable of producing significant changes in pressure, temperature, and density of the medium through which it travels

ANSWERS: 170. bounce, 171. minuscule, 172. construct, 173. reaction, 174. eccentric, 175. geothermal, 176. concentration, 177. minuscule, 178. extract, 179. shockwave

180. charged pale	n.	a small piece of something; a word or piece of a term with grammatical function but little or no significance
181. cae a glimpse	v.	to catch a person or an animal and confine them in an area which they cannot escape
182. coct a dam	v.	to build or create something; to assemble or combine different parts to form something whole
183. the propagation of shves	n.	a wave or series of waves produced by a sudden disturbance, such as an explosion or a supersonic flow, capable of producing significant changes in pressure, temperature, and density of the medium through which it travels
184. reduce subnt mortality	adj.	happening or occurring later or after something else
185. hem atom	n.	a colorless, odorless, tasteless, non-toxic, inert, monatomic gas, the first in the noble gas series in the periodic table
186. mic numerous instruments	v.	to imitate someone's speech, movement, or behavior, especially to make others laugh
187. atc bomb	adj.	of or relating to atom (= the smallest component of an element)
188. cose water vapor	v.	to reduce the volume or size of something, often by removing water or other liquid; to make something shorter, more concise, or more concentrated

ANSWERS: 180. particle, 181. capture, 182. construct, 183. shockwave, 184. subsequent, 185. helium, 186. mimic, 187. atomic, 188. condense

189. re\_l bandits

- 190. er\_\_\_\_te racial discrimination
- v. to force an attack or attacker to withdraw or retreat
- v. to get rid of or destroy something completely, especially something bad

ANSWERS: 189. repel, 190. eradicate

## Session 3: Fill in the Blanks

- 1. The roof finally \_\_\_\_\_\_ after three days and three nights of heavy snowfall.
- *v.* to fall down or give way suddenly, often after breaking apart
- 2. She couldn't help but \_\_\_\_\_ her friend's designer handbag.
- *v.* to strongly desire or crave something, particularly something that belongs to someone else; to have an excessive or envious desire for
- 3. Nuclear \_\_\_\_\_ is a process in which atomic nuclei combine to form heavier nuclei.
- *n.* the process of combining two or more things to form a single entity
- 4. The political party \_\_\_\_\_\_ after much internal fighting.
- *v.* to be or cause to be absorbed by a liquid to form a part of the solution; to close down or dismiss
- 5. Carbon has an \_\_\_\_\_ mass of 12.
- *adj.* of or relating to atom (= the smallest component of an element)
- 6. The animal rights group worked to \_\_\_\_\_ the dolphins back into the wild.
- *v.* to set free or allow to escape from confinement
- 7. The outermost \_\_\_\_\_\_ shell determines the chemical properties of an atom.
- *n.* a tiny particle with the negative electrical charge
- 8. This exam requires excellent \_\_\_\_\_\_ to pass.
- *n.* the ability to focus all your time and energy on one thing without thinking about anything else.

ANSWERS: 1. collapsed, 2. covet, 3. fusion, 4. dissolved, 5. atomic, 6. release, 7. electron, 8. concentration

- 9. The pirates searched for buried \_\_\_\_\_ in the dunes.
- *n.* a valuable or desirable possession; something that is cherished or held dear; a collection of valuable objects or money that is hidden or protected
- 10. Mercury is the closest \_\_\_\_\_ to the sun.
- *n.* any of the nine large celestial bodies that circle in the solar system; any celestial body that revolves around a star
- 11. Solar gravity creates \_\_\_\_\_ pressures and temperatures.
- *adj.* very great in amount or degree
- 12. The \_\_\_\_\_\_ medium comprises gas, dust, and cosmic rays that fill the space between stars.
- *adj.* relating to or located in the space between stars
- 13. They will \_\_\_\_\_ between various emotional states.
- v. to cause to move up or away after hitting a surface; to spring back
- 14. The old building \_\_\_\_\_ in a fiery inferno.
  - v. to burst or break open violently and noisily; to cause something to burst or break open
- 15. Setting a realistic and \_\_\_\_\_\_ goal is the key to success.
- adj. possible to accomplish or attain
- 16. Today, the study of \_\_\_\_\_ remains an important part of the history of science and philosophy
  - *n.* a medieval chemical philosophy and speculative theory that aimed to transform base metals into gold or produce a universal elixir that could cure all diseases and grant immortality; a process of transformation or creation that appears magical or mysterious

ANSWERS: 9. treasure, 10. planet, 11. extreme, 12. interstellar, 13. bounce, 14. exploded, 15. achievable, 16. alchemy

- 17. Only the \_\_\_\_\_ tower remained standing.
- *adj.* relating to or belonging to the Middle Age that is for the period of A.D.600 to A.D. 1450
- 18. 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
- 19. Shakespeare's output of poetry was \_\_\_\_\_.
- adj. extremely large or great
- 20. We elected him to \_\_\_\_\_\_ us at the international conference.
- v. to speak, act, or be present on behalf of another person or group; to form or constitute
- 21. He was \_\_\_\_\_\_ but he was also a genius.
- *adj.* weird or unusual, sometimes in a funny way
- 22. She explained the \_\_\_\_\_\_ surrounding the accident.
  - *n.* the specific conditions or events that surround a particular situation or occurrence
- 23. The chef expertly \_\_\_\_\_ the sauce onto the plate.
- *v*. to move in a circular or spiral pattern
- The solar wind is composed almost entirely of electrons and \_\_\_\_\_\_.
- *n*. a very small particle with a positive charge equal to the negative charge of an electron that forms part of the nucleus of all atoms
- 25. An increase in employment helps \_\_\_\_\_ economic growth.
  - v. to move, drive or push something forward or in a particular direction, often with a lot of force

ANSWERS: 17. medieval, 18. commodity, 19. enormous, 20. represent, 21. eccentric, 22. circumstances, 23. swirled, 24. protons, 25. propel

- 26. The town is exploring using \_\_\_\_\_\_ energy to power its homes and buildings.
- *adj.* relating to or produced by the internal heat of the earth; often used to refer to energy produced by tapping into the natural heat of the earth
- 27. The \_\_\_\_\_\_ size shirt fits him perfectly.
- *adj.* of a size, amount, or level that is average or intermediate; (noun) a means or instrumentality for storing or communicating information
- 28. To expand the company, we must <u>new human resources</u>.
- v. to hit someone or something quickly, gently, and often repeatedly; to use existing resources, such as energy, knowledge, etc.
- 29. I need to \_\_\_\_\_\_ all of my notes into a manageable summary for my presentation.
  - v. to reduce the volume or size of something, often by removing water or other liquid; to make something shorter, more concise, or more concentrated
- 30. I will work hard to \_\_\_\_\_ my goals and realize my dreams.
- *v.* to successfully complete a task or goal, often through hard work, perseverance, and dedication; to attain or accomplish something that one has set out to do
- 31. The company adjusted the revenue \_\_\_\_\_.
- *adv.* toward the top or highest point, or a higher position or level; (adjective) extending or moving toward a higher place
- 32. The majority of synthetic vitamins are \_\_\_\_\_\_ from oil.
- *v.* to make goods in large numbers, usually in a factory using machines
- 33. She is still \_\_\_\_\_\_ from a shot to her shoulder.
- v. to return to a former condition, health, mind, or strength

ANSWERS: 26. geothermal, 27. medium, 28. tap, 29. condense, 30. achieve, 31. upward, 32. manufactured, 33. recovering

- 34. I was able to \_\_\_\_\_ the moment on film.
  - *v.* to catch a person or an animal and confine them in an area which they cannot escape
- 35. I need to \_\_\_\_\_ the dough before I can bake the bread.
- *v.* to work or press into a flexible mixture, especially bread dough, with the hands, fingers, or a device
- 36. The \_\_\_\_\_\_ is about 13.8 billion years old.
- *n.* everything that exists, especially all physical matter, including planets, stars, galaxies, and all other forms of matter and energy
- 37. The project's \_\_\_\_\_ made it difficult for the team to complete it on time.
- *n.* the state or quality of being complicated or intricate and difficult to understand
- 38. The \_\_\_\_\_\_ from the explosion shattered windows for several blocks.
- *n.* a wave or series of waves produced by a sudden disturbance, such as an explosion or a supersonic flow, capable of producing significant changes in pressure, temperature, and density of the medium through which it travels
- 39. We often \_\_\_\_\_\_ political problems as religious issues.
- *v.* to depict or describe someone or something in a painting, film, book, or other artistic work
- 40. The outermost electron shell of an \_\_\_\_\_ determines its chemical characteristics.
  - *n.* the smallest unit of ordinary matter that forms a chemical element, composed of a nucleus and one or more electrons bound to the nucleus
- 41. Understanding unitary \_\_\_\_\_\_ of a normal matrix require considerable mathematical sophistication.
- *n.* a complete change in form, nature, or appearance of someone or something

ANSWERS: 34. capture, 35. knead, 36. universe, 37. complexity, 38. shockwave, 39. portray, 40. atom, 41. transformations

- 42. Trees absorb \_\_\_\_\_ dioxide and give off oxygen.
- *n.* a chemical element that can be found in pure form as diamond or graphite, and it is also an essential part of coal and oil and is found in all plants and animals
- 43. The \_\_\_\_\_ inequality was unavoidable.
- *n*. a large amount of money, property, or other things that someone or an organization owns
- 44. The \_\_\_\_\_ of people who do not own property is politically impotent.
- *n.* a large amount of a substance with no definite shape or form; a large number of people or things grouped or crowded together
- 45. They hope to \_\_\_\_\_ their business worldwide.
- v. to increase or to make something greater in size, number, or importance
- 46. 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
- 47. How much is it per one hundred \_\_\_\_\_
- *n.* a metric unit of weight equal to one-thousandth of a kilogram
- 48. The \_\_\_\_\_\_ balloons floated into the sky.
- *n.* a colorless, odorless, tasteless, non-toxic, inert, monatomic gas, the first in the noble gas series in the periodic table
- 49. Due to their \_\_\_\_\_ diamonds are expensive.
- *n.* the condition or trait of being unusual; something that is unusual

ANSWERS: 42. carbon, 43. wealth, 44. mass, 45. expand, 46. particles, 47. grams?, 48. helium-filled, 49. rarity,

- 50. The government tried to \_\_\_\_\_\_ the commercialization of this development.
- *v.* to make something faster or earlier; to cause to develop or progress more quickly
- 51. We \_\_\_\_\_\_ the season's total trade deficit at \$50 billion.
- *v*. to guess or calculate the cost, size, value, etc. of something
- 52. The \_\_\_\_\_ and the oxygen react and then form water.
- *n.* the chemical element that is the lightest gas is colorless, odorless, tasteless, and combines with oxygen to form water
- 53. This evidence supports the big-bang \_\_\_\_\_.
- *n.* a proposed idea or explanation that is based on a few known facts but has not yet been proven to be true or accurate
- 54. The \_\_\_\_\_\_ for applying for a visa can be lengthy and complicated.
- *n*. a series of actions or operations performed to achieve a particular outcome or goal; a systematic procedure or approach used to accomplish a specific task or objective; a method of treating milk to make it suitable for consumption or use in other dairy products
- 55. After the party, they had to clean up \_\_\_\_\_ of dirty dishes.
- *n.* a collection of objects positioned one on top of another; a large sum of something, such as money
- 56. The nurse inserted the needle into the \_\_\_\_\_ in his arm to draw blood.
- *n.* a blood vessel that carries blood from various parts of the body back to the heart; a mineral deposit or layer of rock that is contained within another rock formation

ANSWERS: 50. accelerate, 51. estimated, 52. hydrogen, 53. hypothesis, 54. process, 55. piles, 56. vein

- 57. He \_\_\_\_\_\_ hypotheses that no mathematician has ever imagined before.
- *v.* to build or create something; to assemble or combine different parts to form something whole
- 58. Scientists are constantly searching for signs of \_\_\_\_\_\_ life in the universe.
- *adj.* relating to or existing outside of the Earth's atmosphere or planetary boundaries; pertaining to beings or phenomena that originate from beyond the Earth
- 59. A \_\_\_\_\_ audience viewed the broadcast.
- adj. enormous in size, number, amount, or quantity
- 60. The \_\_\_\_\_\_ explosion created a bright new star in the night sky.
- *n.* a powerful and luminous explosion that occurs in some stars, resulting in an extremely bright, short-lived object that later fades into a supernova remnant
- 61. The passenger grabbed for the \_\_\_\_\_ mask.
- *n*. the chemical element with the symbol O that is present in air and water and is necessary for people, animals, and plants to live
- 62. We cannot afford to squander \_\_\_\_\_\_ time.
- *adj.* uncommon and extremely valuable
- 63. The mining and processing of \_\_\_\_\_ can lead to releasing radioactive materials into the environment.
  - *n.* a chemical element with the symbol U, atomic number 92, that is a dense, silvery-white metal that is radioactive and is used as a fuel for nuclear power plants

ANSWERS: 57. constructs, 58. extraterrestrial, 59. vast, 60. supernova, 61. oxygen, 62. precious, 63. uranium

- 64. The \_\_\_\_\_\_ force of the black hole was so strong that nothing, not even light, could escape.
- *adj.* relating to or caused by gravity (= the force that attracts objects towards one another)
- 65. The \_\_\_\_\_ in my pocket jingled as I walked.
- *n.* a silver-white metallic element with the symbol Ni, used in many alloys and as a coin; a United States coin worth one-twentieth of a dollar
- 66. The athlete's performance \_\_\_\_\_\_ all expectations, breaking a world record.
- v. to surpass or go beyond a limit, expectation, or requirement; to be better or greater than anticipated or desired
- 67. The systems we have developed has accepted as industry \_\_\_\_\_.
- *n.* something that is regarded as usual, typical, or standard
- 68. This material can \_\_\_\_\_ moisture swiftly.
  - v. to force an attack or attacker to withdraw or retreat
- 69. The incident \_\_\_\_\_\_ a political controversy.
  - v. to make something happen suddenly; to cause something such as a device, machine, etc. to function
- 70. In the \_\_\_\_\_\_ meeting, the team discussed ways to improve productivity.
- *adj.* happening or occurring later or after something else
- 71. He received an \_\_\_\_\_\_ of antibiotics to treat his infection.
  - *n.* the act of introducing a liquid, especially a drug, into the body using a needle and a syringe

ANSWERS: 64. gravitational, 65. nickel, 66. exceeded, 67. norms, 68. repel, 69. triggered, 70. subsequent, 71. injection

- 72. My father's death \_\_\_\_\_ my life completely.
- *v.* to change in outward structure or looks;
- 73. Anesthetize the gum before \_\_\_\_\_\_ the teeth.
- *n*. a short passage taken from a book, piece of music, etc.; a substance obtained from something through a specific process; (verb) to obtain from something or to remove something by effort or force
- 74. The entire mountain is covered in \_\_\_\_\_ rainforest.
- *adj.* containing a large number of people or something with little space between them
- 75. The \_\_\_\_\_\_ chip in my credit card allows me to make contactless payments.
- adj. fixed firmly into the surface of something
- 76. The \_\_\_\_\_ road made it difficult to drive on.
- *adj.* full of or abounding in rocks; of, relating to, or made of rock
- 77. The bread's \_\_\_\_\_ was golden brown and crispy.
- *n*. a hard outer layer that forms on the surface of a liquid as it cools or on a solid as a result of exposure to air or moisture
- 78. There was a chemical \_\_\_\_\_\_ of the lime with the groundwater.
- *n*. a response that reveals a person's feelings or attitude; (in chemistry) a process in which one or more substances are changed into others
- 79. Marine \_\_\_\_\_ is a major continuous global problem.
- *n.* broken or torn fragments of something

ANSWERS: 72. transformed, 73. extracting, 74. dense, 75. embedded, 76. rocky, 77. crust, 78. reaction, 79. debris

- 80. The diamond ring \_\_\_\_\_ in the sunlight, catching everyone's eye.
  - v. to reflect light in a way that creates a shining or bright and attractive appearance; to become visible or apparent
- 81. Many countries have now agreed to a treaty banning the use of \_\_\_\_\_\_ weapons.
- *adj.* of or relating to or constituting the nucleus of an atom; deriving destructive energy from the release of atomic energy
- 82. The earthquake was a \_\_\_\_\_\_ from which the local people never recovered.
  - *n.* a sudden violent event that changes the earth's environment, such as a flood or a war
- 83. Common salt is a sodium and chlorine \_\_\_\_\_.
- *n.* an item composed of two or more distinct elements combined; a chemical formed by the combination of two or more elements
- 84. The youngster was \_\_\_\_\_ at by the beast.
- v. to stare at something or someone for an extended time, usually out of surprise or adoration, or because you are thinking about something else
- 85. Their headquarters are in a \_\_\_\_\_ skyscraper.
- *adj.* of or belonging to the present time or recent times
- 86. The music just \_\_\_\_\_ out.
- *v.* to fail or lose power, efficiency, or value gradually before coming to an end
- 87. She received a \_\_\_\_\_\_ review from her boss, which boosted her confidence.
- adj. excellent; relating to or resembling a star, especially in quality or attractiveness

ANSWERS: 80. gleamed, 81. nuclear, 82. cataclysm, 83. compound, 84. gazed, 85. modern, 86. petered, 87. stellar

- 88. This ore emits \_\_\_\_\_ quantities of radiation
  - *adj.* extremely small; tiny
- 89. We are trying to \_\_\_\_\_\_ this disease from the world.
- *v.* to get rid of or destroy something completely, especially something bad
- 90. It's intriguing to compare and \_\_\_\_\_\_ the two authors.
- *v.* to put in opposition to show or emphasize differences
- 91. She \_\_\_\_\_\_ the files into a single ZIP archive to save space on her computer.
  - v. to press or squeeze together to make something take up less space
- 92. He is very popular at school because he can \_\_\_\_\_ all the teachers' accents.
  - v. to imitate someone's speech, movement, or behavior, especially to make others laugh
- 93. A \_\_\_\_\_\_ star is incredibly dense and has a strong gravitational pull.
- *n.* a subatomic particle with no electric charge that is present in all atomic nuclei except those of ordinary hydrogen
- 94. Necessity is the mother of \_\_\_\_\_\_.
- *n*. the creation of a new device or process resulting from study and experimentation; the act of inventing
- 95. There is plenty of space to \_\_\_\_\_ everyone.
- v. to place a dead body in the ground, grave, or tomb

ANSWERS: 88. minuscule, 89. eradicate, 90. contrast, 91. compressed, 92. mimic, 93. neutron, 94. invention, 95. bury