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## Vocabulary Builder Reference from...

Joel Levine: Why we need to go back to Mars | TED Talk https://www.ted.com/talks/joel\_levine\_why\_we\_need\_ to\_go\_back\_to\_mars



### All Words

#### IMPORTANT

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## Session 1: Word List

photograph	<ul> <li><i>n</i>. a picture or image that is produced by a camera; a visual representation or record of a person, object, or scene that has been captured electronically or on film</li> <li><i>synonym</i>: photo, picture, snapshot</li> </ul>
	(1) photograph album, (2) photograph memories
	I found an old <b>photograph</b> of my grandparents from their wedding day.
obtain	<i>v.</i> to get something, especially by making a great effort <i>synonym</i> : accept, acquire, receive
	(1) obtain a license, (2) obtain a bid
	Where can I obtain the application form?
planet	<ul> <li><i>n</i>. any of the nine large celestial bodies that circle in the solar system; any celestial body that revolves around a star</li> <li><i>synonym</i>: earth, world, globe</li> </ul>
	(1) <b>planet</b> like the Earth, (2) save the <b>planet</b>
	Mercury is the closest <b>planet</b> to the sun.
mar	<ul> <li>v. to damage or spoil the appearance or surface of something</li> </ul>
	synonym: damage, deface, disfigure

	(1) mar a proper relationship, (2) mar the reputation
	The scratches on the car <b>marred</b> its otherwise perfect appearance.
flyby	<ul> <li>n. a close approach to a celestial body, especially a planet, by a spacecraft without landing or entering orbit</li> <li>synonym: passby, flyover, whizz by</li> </ul>
	(1) flyby mission, (2) a five-plane flyby
	The spacecraft will conduct a <b>flyby</b> of the moon to gather data.
mariner	n. a sailor or seaman; someone who works or travels on a boat or ship
	synonym: sailor, seafarer, navigator
	(1) mariner's compass, (2) seasoned mariner
	The experienced mariner guided the ship through
	treacherous waters.
journal	<i>n.</i> a newspaper or magazine specialized in a specific topic or profession
	synonym: periodical, diary, bulletin
	(1) scientific journal, (2) journal articles
	The physician is reading the <b>journals</b> related to medicine
editorial	<i>adj.</i> relating to the expression of opinions or interpretations in the media
	synonym: comment, opinion, critique
	(1) gain editorial help, (2) an editorial article
	The newspaper published an editorial on the current state of
	the economy.
fortunate	adj. having good luck or lucky
	synonym: fortuitous, lucky, blessed
	(1) fortunate situation, (2) less fortunate person
	He was pretty fortunate to pass the exam.

headquarter	<ul> <li>n. the central office or location from which a business or organization is managed</li> </ul>
	synonym: base, center, command
	<ul> <li>(1) administrative headquarter, (2) an emergency</li> <li>headquarter</li> </ul>
	The company decided to move its <b>headquarters</b> to New York City.
extensive	<i>adj.</i> covering a large area; having a wide range <i>synonym</i> : ample, comprehensive, vast
	(1) <b>extensive</b> experience, (2) have <b>extensive</b> vocabulary The incident attracted <b>extensive</b> media coverage throughout the world.
quest	<i>n.</i> a long or challenging search for something <i>synonym</i> : exploration, inquisition, pursuit
	(1) the <b>quest</b> for truth, (2) on a <b>quest</b> for happiness
	That adventurer traveled in <b>quest</b> of buried treasure.
amazing	adj. extremely surprising, especially in a way that you like or admire
	synonym: exceptional, extraordinary, wonderful
	(1) <b>amazing</b> advances, (2) the most <b>amazing</b> feeling
	The golfer recorded an <b>amazing</b> distance.
measurement	<ul> <li>n. the act or process of finding something's size, quantity, or degree</li> </ul>
	synonym: calculation, dimensions, size
	(1) chest <b>measurement</b> , (2) a precise <b>measurement</b>
	The <b>measurement</b> error of this industrial machine is less
	than one micrometer.
composite	<ul> <li>adj. made up of different parts, elements, or substances;</li> <li>(noun) something made from two or more different substances</li> </ul>
	synonym: compound, combined, mixed

	<ul> <li>(1) composite materials, (2) a composite of different photographs</li> <li>The composite index tracks the performance of multiple stocks in the same sector.</li> </ul>
develop	<ul> <li>v. to grow or expand; to improve or refine through a process of progress and refinement, often to achieve greater sophistication or complexity; to elaborate or add detail to something that is in the process of being created</li> </ul>
	synonym: evolve, progress, advance
	(1) <b>develop</b> a strategy, (2) <b>develop</b> a skill
	We must <b>develop</b> a new system to streamline our workflow and increase efficiency.
orbit	<ul> <li>n. the path of an object around a celestial body, especially a planet, star, or moon, under the influence of gravity; (of medicine) the bony cavity in the skull that houses the eyeball and its associated structures, like muscles, nerves, and blood vessels</li> <li>synonym: path, course, trajectory</li> </ul>
	(1) the <b>orbit</b> of the moon, (2) a planetary <b>orbit</b>
	The rocket engine is used to put the satellite into <b>orbit</b> .
spacecraft	<ul> <li><i>n</i>. a vehicle designed to travel through space, typically carrying astronauts or scientific instruments</li> <li><i>synonym</i>: spaceship, satellite, probe</li> </ul>
	(1) <b>spacecraft</b> launch, (2) alien <b>spacecraft</b>
	The human-crewed <b>spacecraft</b> successfully landed on the moon, fulfilling its mission.
accomplishment	<ul> <li>n. the successful completion of a task or goal; an ability that has been acquired by training</li> <li>synonym: success, achievement, complete</li> </ul>

(1) proud of his **accomplishments**, (2) the **accomplishment** of a social goal

Graduating from college was a major accomplishment for

her.

comparable	<ul> <li>adj. able to link the similarities or differences with others;</li> <li>similar or equivalent to someone or something</li> <li>synonym: equal, commensurate, similar</li> </ul>
	(1) <b>comparable</b> sales, (2) a <b>comparable</b> amount of energy
	Humans and apes have <b>comparable</b> anatomical structures.
topography	<ul> <li>n. the arrangement and physical features of a particular area or region, including its natural and artificial elements and their relative positions and elevations; the study or description of this arrangement and these features</li> </ul>
	synonym: terrain, landscape, geography
	(1) <b>topography</b> map, (2) detailed <b>topography</b>
	The <b>topography</b> of the region is rugged, with many hills and valleys.
elevation	<ul> <li>n. the height of something above sea level or above the ground; the event of something being raised upward synonym: height, altitude, rise</li> </ul>
	(1) at an <b>elevation</b> of 1000 feet, (2) <b>elevation</b> in rank
	The <b>elevation</b> of the mountain made it difficult to breathe.
differ	<ul> <li>v. to be not like someone or something in some way</li> <li>synonym: vary, diverge, disagree</li> </ul>
	(1) <b>differ</b> from the majority, (2) <b>differ</b> according to species
	The two products <b>differed</b> in their quality and price.
volcano	<ul> <li>n. a mountain or hill, typically conical, having a crater or vent through which lava, rock fragments, hot vapor, and gas are or have been erupted from the earth's crust.</li> <li>synonym: mount, peak, crater</li> </ul>
	(1) volcano alert level, (2) active volcano
	The island was formed by a <b>volcano</b> millions of years ago.

solar	adj. of, from, or relating to the sun
	(1) the <b>solar</b> system, (2) a <b>solar</b> eclipse
	Solar panels have greatly improved not only in performance
	but also in durability.
grand	adj. important and large in size, scope, or extent
	synonym: impressive, great, ambitious
	(1) a <b>grand</b> meal, (2) <b>grand</b> bargain
	This year's grand gathering will be held in Canada.
canyon	<ul> <li>a large deep valley with very steep sides of rock and usually formed by a river</li> </ul>
	synonym: gorge, valley, ravine
	(1) twisty <b>canyon</b> road, (2) <b>canyon</b> of skyscrapers
	The Grand <b>Canyon</b> has an awe-inspiring sight.
crater	<ul> <li>a huge bowl-shaped cavity in the earth or an object in space, usually created by an explosion or the impact of a meteorite</li> </ul>
	synonym: cavity, hole, pit
	(1) <b>crater</b> lake, (2) lunar <b>crater</b>
	An enormous <b>crater</b> marks the area where the vast volcanic explosion occurred.
basin	<ul> <li>n. a natural depression or valley that is circular or oval on the surface of the earth, especially one that has water in it; a container with a bowl form that is typically used to hold food or liquids</li> <li>synonym: watershed, bowl</li> </ul>
	(1) inland <b>basin</b> , (2) the <b>basin</b> of the Great Salt Lake
	Many of the lakes and marshes in the <b>basin</b> are mildly salty.
atmosphere	<ul> <li>n. the mass of air that surrounds the Earth; the pervading tone or mood of a place, situation, or creative work</li> <li>synonym: air, ambiance, circumstances</li> </ul>
	(1) carbon dioxide in the <b>atmosphere</b> , (2) a convivial <b>atmosphere</b>

The spaceship bega	n to burn up a	as it appro	ached t	he Ear	th's
atmosphere.					

superimpose	<ul> <li>v. to place, layer, or overlay one thing on top of another, typically in such a way that both are still visible; to add or combine something additional into an existing structure, design, or system</li> <li>synonym: overlay, impose, place over</li> </ul>
	(1) <b>superimpose</b> image, (2) <b>superimpose</b> text
	The graphic designer will <b>superimpose</b> the logo over the image in the brochure.
statistics	<i>n.</i> the discipline that concerns the collection, organization, analysis, interpretation, and presentation of data
	(1) statistics for cancer, (2) official statistics
	The <b>statistics</b> demonstrate that poverty and unemployment are genuine problems.
intriguing	<ul> <li>adj. arousing curiosity or interest, often due to a mysterious or complex quality; fascinating or captivating</li> <li>synonym: fascinating, captivating, arresting</li> </ul>
	(1) intriguing concept, (2) intriguing character
	The novel's plot was <b>intriguing</b> and kept readers in their seats.
feat	<ul> <li>n. a notable or impressive achievement, especially one that requires great skill or bravery</li> <li>synonym: achievement, accomplishment, exploit</li> </ul>
	(1) intellectual <b>feat</b> , (2) <b>feat</b> accomplishment
	It is an incredible <b>feat</b> to climb Mount Everest, the highest
	mountain in the world.
nation	n. a large organized community of people living in a particular country or region and having a particular culture
	synonym: country, state, sovereign entity
	(1) nation-state, (2) a seafaring nation

	The <b>nation</b> of Japan is known for its unique culture and advanced technology.
academy	<ul> <li>n. a school for special training; a type of official organization that aims to encourage and develop standards in its particular field</li> <li>synonym: school, institute, college</li> </ul>
	(1) an <b>academy</b> of music, (2) a member of the <b>Academy</b>
	Her new documentary earned her an Academy Award.
mystery	<ul> <li>n. something difficult to understand or explain; a secret or enigmatic quality that adds to the fascination or interest of something; a genre of fiction that involves the solution of a crime or a puzzle</li> <li>synonym: enigma, puzzle, secret</li> </ul>
	(1) mystery novel, (2) unsolved mystery
	The mystery surrounding the disappearance of the traveler
	has yet to be solved by authorities.
magnet	<i>n.</i> an object or substance that can attract certain materials, such as iron or steel
	synonym: magnetite, lodestone, attracting substance
	(1) magnet attraction, (2) permanent magnet
	The MRI machine uses magnets to produce images of the
	body's internal organs.
crust	<ul> <li>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</li> </ul>
	synonym: layer, coating, shell
	(1) <b>crust</b> formation, (2) the earth's <b>crust</b>
	The bread's <b>crust</b> was golden brown and crispy.
magnetism	<i>n.</i> the force that causes attraction or repulsion between magnetic substances; a charismatic or attractive quality that attracts people or causes them to be drawn to someone or something

synonym:

	attraction, charisma, allure
	(1) the magnetism of the moon, (2) animal magnetism
	The child was drawn to the <b>magnetism</b> of the colorful toy display in the store.
liquid	<ul> <li><i>n</i>. a substance, such as water or oil that flows freely and is neither a solid nor a gas</li> <li><i>synonym</i>: fluid</li> </ul>
	(1) colorless liquid, (2) hazardous liquid
	The sponge takes up the liquid well.
polar	<ul><li><i>adj.</i> relating to, or close to, the North or South Pole;</li><li>characterized by complete opposites</li><li><i>synonym</i>: opposing, contrary, contrasting</li></ul>
	(1) <b>polar</b> bears, (2) <b>polar</b> regions
	Polar animals are graceful and efficient swimmers.
pole	<i>n</i> . one of two antipodal points where the Earth's axis of rotation intersects the Earth's surface; a long, slender, rounded rod, typically of wood or metal, used as a support or to hang something
	synonym: rod, staff, shaft
	(1) a fishing <b>pole</b> , (2) the plus <b>pole</b>
	The North <b>Pole</b> is the northernmost point on Earth.
spirit	<i>n</i> . the part of a person which is the seat of their mind, feelings, and character rather than their physical body; the general atmosphere of a place or situation and the effect that it has on people
	synonym: soul, attitude, enthusiasm
	(1) <b>spirit</b> and the letter of the law, (2) an indomitable <b>spirit</b>
	Despite their tragic loss, the family is showing great <b>spirit</b> .
opportune	<ul><li><i>adj.</i> suitable or happening at a time that is suitable or convenient for a particular purpose</li><li><i>synonym</i>: suitable, timely, practical</li></ul>
	(1) opportune occasion, (2) an opportune remark

The phone rang at the most **opportune** time. ingredient one of the things used to make something, especially n. one of the foods used to make a particular dish synonym: element, component (1) secret ingredients, (2) compound the ingredients Greed is the primary **ingredient** in the making of criminals. evolution a gradual process of transformation of living things n. synonym: elaboration, expansion, transition (1) human evolution, (2) evolution theory They study the **evolution** of the universe. origin the first existence or beginning of something n. synonym: root, source, ancestor (1) **origin** of information, (2) racial **origin** There are various hypotheses concerning the **origin** of life. a slowly moving mass of ice formed from snow on glacier n. mountains or near the North Pole or the South Pole synonym: iceberg, ice floe (1) glacier retreat, (2) glaciers move tardily The **glaciers** of the ice age have shaped Fjord. adv. in a manner accessible to or observable by the public; publicly by the government synonym: candidly, openly, honestly (1) **publicly** accessible record, (2) **publicly** financed schools She **publicly** denounced the government's mishandling of the economic crisis. an organization or business that is responsible for agency n. specific activities or services, especially when representing other organizations or businesses; the capacity or power to act or exert influence; the ability to make decisions and take action

	<ul> <li>synonym: organization, bureau, institution</li> <li>(1) real estate agency, (2) intelligence agency</li> <li>The government agency regulated the country's food and</li> </ul>
	drug safety standards.
hemisphere	<i>n.</i> half of the terrestrial globe; half of a sphere
	(1) northern <b>hemisphere</b> , (2) cerebral <b>hemisphere</b>
	This weather pattern is unique to the southern hemisphere.
depression	<ul> <li>a mental condition in which a person feels very unhappy and without hope for the future; a severe recession in an economy or market</li> </ul>
	synonym: recession, slump, despair
	(1) the Great <b>Depression</b> , (2) the root problem of her
	depression
	<b>Depression</b> symptoms might include a decrease in appetite and weight loss.
ancient	<i>adj.</i> 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 <b>ancient</b> , (2) <b>ancient</b> stories
	They have been living near water since <b>ancient</b> times.
satellite	<ul> <li>an electronic device that is sent up into space and moves around the Earth or another planet, used for gathering information or communicating by radio, television, etc.</li> <li>synonym: orbiter, asteroid, moon</li> </ul>
	(1) a GPS satellite, (2) a meteorological satellite
	Launching an artificial <b>satellite</b> contributed to the
	technological development of our country.
odyssey	<ul> <li>n. a long wandering and eventful journey; a Greek epic poem attributed to Homer, describing the journey of Odysseus after the fall of Troy</li> </ul>

	<ul><li>(1) go on a serious odyssey, (2) cross-country odyssey</li><li>He continued the extraordinary odyssey with his brother.</li></ul>
bluish	<i>adj.</i> having a color that is a shade of blue <i>synonym</i> : blue, azure, navy
	(1) <b>bluish</b> cloth, (2) <b>bluish</b> color
	The flowers had a <b>bluish</b> tint, indicating they needed to be riper.
interior	<ul> <li>n. the inside or inner part of something; the space within the walls of a building</li> <li>synonym: inner, inside, internal</li> </ul>
	(1) interior decoration, (2) plenty of interior space
	The painter focused on the moody <b>interiors</b> of abandoned buildings in his work.
puzzling	<i>adj.</i> confusing or difficult to understand; mysterious <i>synonym</i> : baffling, confusing, enigmatic
	(1) <b>puzzling</b> behavior, (2) <b>puzzling</b> questions
	The detective found the clues <b>puzzling</b> and couldn't solve the case immediately.
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 <b>release</b> the dolphins back into the wild.
presence	<ul> <li>n. the fact or state that someone or something exists, occurs, or is present</li> <li>synonym: existence, actuality, fact</li> </ul>
	(1) the evidence of the <b>presence</b> , (2) his majestic <b>presence</b>
	The path to a solid online <b>presence</b> necessitates a high technical ability.

methane	<ul> <li>n. a chemical compound with the chemical formula CH4</li> <li>with no smell or color, often used as a fuel</li> </ul>
	(1) atmospheric <b>methane</b> , (2) reduce <b>methane</b> emissions
	The ignition of <b>methane</b> gas in the plant killed five
	employees.
distinct	<i>adj.</i> noticeable from something else of a similar type <i>synonym</i> : different, special, characteristic
	(1) <b>distinct</b> difference, (2) <b>distinct</b> from each other
	It is essential to keep these two issues <b>distinct</b> .
microscopic	<i>adj.</i> tiny; exceedingly precise and detail-oriented; of or used in microscopy
	synonym: infinitesimal, tiny, atomic
	(1) <b>microscopic</b> inquiry, (2) <b>microscopic</b> analysis
	Inspectors noticed <b>microscopic</b> cracks in the submarine's
	hull.
gene	<ul> <li>n. the fundamental unit of heredity and the sequence of nucleotides in DNA that codes for the creation of RNA or protein.</li> </ul>
	synonym: factor, cistron
	(1) gene expression, (2) gene cloning
	A defective <b>gene</b> is responsible for the disease.
plume	<ul> <li>n. a large feather or group of feathers worn as an ornament or a symbol of achievement or distinction, especially on a hat</li> <li>synonym: feather, honor, token</li> </ul>
	(1) <b>plume</b> of smoke, (2) <b>plume</b> of feathers
	The bird had a beautiful <b>plume</b> on its head.
terrain	<ul> <li>n. the physical features of a piece of land, including hills, valleys, rivers, and forests</li> <li>synonym: land, geography, topography</li> </ul>
	(1) <b>terrain</b> map, (2) permafrost <b>terrain</b>
	The mountainous <b>terrain</b> was rough and rocky.

geology	<ul> <li>n. a science that deals with the history of the earth as recorded in rocks</li> <li>synonym: earth science</li> </ul>
	(1) bureau of <b>geology</b> , (2) local <b>geology</b>
	He was a visiting <b>geology</b> professor at the University of Tokyo.
gap	<ul> <li>a conspicuous disparity or difference separates something such as a figure, people, their opinions, situation, etc.</li> </ul>
	synonym: opening, lacuna, spread
	(1) the <b>gap</b> between ideal and reality, (2) distance <b>gap</b>
	Many people are working together to close the gender <b>gap</b> .
tectonics	<ul> <li>n. the study of the processes that shape the Earth's surface, including the movements of tectonic plates, earthquakes, and volcanic activity</li> </ul>
	synonym: geology, plate tectonics, earth movements
	(1) plate <b>tectonics</b> , (2) collision <b>tectonics</b>
	Global tectonics plays a critical role in the formation of
	mountain ranges and the movement of Earth's crustal plates.
recycle	<ul> <li>v. to sort and collect things to process them and produce valuable materials that can be used again</li> <li>synonym: reclaim, reuse, reprocess</li> </ul>
	(1) recycle the cardboard boxes, (2) recycle milk packaging
	into new paper
	We largely recycle the circuit board of cell phones because
	they contain a lot of valuable metals.
pathfinder	<ul> <li>n. a person or thing that leads the way or explores new territory; someone who finds or discovers a new route or method; a person or vehicle used to navigate or explore unfamiliar or dangerous areas</li> <li>synonym: trailblazer, pioneer, explorer</li> </ul>
	(1) adventurous <b>pathfinder</b> , (2) a <b>pathfinder</b> in the tech industry

	The company's new <b>pathfinder</b> project explores new ways to
	use renewable energy.
phoenix	<ul> <li>n. a mythical bird that is said to live for several hundred years before dying in flames and then rising again from its ashes; a symbol of rebirth, regeneration, or immortality</li> <li>synonym: firebird, mythical bird, rebirth symbol</li> </ul>
	(1) phoenix rising, (2) phoenix feather
	A local artist created the <b>phoenix</b> sculpture in the park.
rover	<ul> <li>n. a vehicle designed to travel over rough terrain, especially on the surface of a planet or moon</li> <li>synonym: vehicle, robot, explorer</li> </ul>
	(1) <b>rover</b> mission, (2) lunar <b>rover</b>
	The <b>rover</b> on Mars is gathering data on the planet's surface and sending it back to Earth.
asteroid	<ul> <li>n. (also "planetoid") a small rocky body orbiting the sun, typically in the region between Mars and Jupiter</li> <li>synonym: minor planet, planetoid, rocky planetesimal</li> </ul>
	(1) asteroid mining, (2) asteroid explorer
	Scientists are studying the composition and origins of the <b>asteroid</b> belt to understand the early solar system better.
meteorite	<ul> <li>n. a solid object originating in outer space that reaches the Earth's surface without completely vaporizing in the atmosphere; a rock that has fallen from space</li> <li>synonym: meteor, shooting star, asteroid</li> </ul>
	(1) meteorite impact, (2) meteorite shower
	The <b>meteorite</b> fragments were collected and sent to a laboratory for analysis.
volcanic	adj. relating to or produced by or consisting of volcano
	(1) effects of <b>volcanic</b> eruptions, (2) increase in <b>volcanic</b> activity

	This study indicates volcanic activity affects global warming
rough	<ul> <li>adj. not quite exact or correct; having or caused by an irregular surface</li> <li>synonym: inelegant, coarse, barbarian</li> <li>(1) rough and tough, (2) rough estimation</li> <li>The vehicle bounced along the rough mountain road.</li> </ul>
	The vehicle bounced along the rough mountain road.
unravel	<i>v.</i> undo twisted, knitted, or woven threads by separating it <i>synonym</i> : separate, unknot, ravel
	<ul><li>(1) unravel a knit, (2) unravel a plot</li><li>Detectives are still attempting to unravel the mystery of his death.</li></ul>
invite	<ul> <li>v. to ask someone to come or join; to offer an opportunity or possibility for something to happen or take place</li> <li>synonym: ask, request, summon</li> </ul>
	(1) invite guests, (2) invite criticism
	We want to <b>invite</b> you to our annual charity event.
decide	<ul> <li>v. to make up someone's mind about something; to come to a conclusion or judgment after considering options</li> <li>synonym: choose, determine, settle</li> </ul>
	(1) <b>decide</b> a question, (2) <b>decide</b> on a course of action
	She couldn't <b>decide</b> whether to order the pizza or the pasta for dinner.
robotic	<ul> <li>adj. of or relating to mechanical robots; (robotics) the interdisciplinary branch of computer science and engineering with the practical use of robots</li> <li>synonym: automated, mechanical, laborsaving</li> </ul>
	(1) <b>robotic</b> arm, (2) <b>robotic</b> guide operation
	The surgeon removed the tumor using <b>robotic</b> video assistance.
rocket	<i>n.</i> a large tube-shaped object that moves very first by a stream of gases let out behind it, used for space travel

	or as a weapon synonym: projectile, missile (1) rocket attack against the enemy, (2) rocket fuel The rocket launch platform is visible from this hill.
aerial	<ul> <li>n. a type of acrobatics or gymnastics performed while suspended from hanging fabric or rings; a pass or shot in sports (particularly in soccer or volleyball) that is made while the player is in the air</li> <li>synonym: antenna, skywire, transmitter</li> </ul>
	(1) aerial antenna, (2) aerial photography
	The <b>aerial</b> view from the airplane showed the beautiful landscape below.
environment	<ul> <li>n. the natural world such as air, water, and land in which humans, animals, and plants live</li> <li>synonym: atmosphere, surroundings, climate</li> </ul>
	(1) <b>environment</b> affairs, (2) chaotic <b>environment</b>
	Every human is responsible for taking care of the Earth's
	environment.
surveyor	<ul> <li><i>n.</i> an engineer who measures and records the details of areas of land</li> <li><i>synonym</i>: assessor, cartographer</li> </ul>
	(1) land <b>surveyor</b> , (2) geographical <b>surveyor</b>
	The <b>surveyors</b> asked various related questions about the land.
aeronautics	n. the science or art of designing, building, and flying aircraft
	synonym: aviation, aerospace, flying
	(1) aeronautics industry, (2) aeronautics research
	He studied aeronautics in college and worked as an
	aerospace engineer.

valley	<ul> <li>a long depression on the surface of the land, which typically contains a river</li> </ul>
	synonym: canyon, gorge, dale
	(1) valley bottom, (2) basin-shaped valley
	The <b>valley</b> had received a mild snowfall the previous week.
subsurface	<ul> <li>adj. situated or located beneath the surface of something;</li> <li>existing or occurring within the deeper layers of a material or object, often referring to areas below the Earth's surface</li> <li>synonym: beneath the surface, underground, subterranean</li> </ul>
	(1) <b>subsurface</b> mining, (2) <b>subsurface</b> oil reserves
	The <b>subsurface</b> layers of the ocean are still largely unexplored.
importance	<i>n.</i> the quality of being important and worthy of note <i>synonym</i> : significance, primacy, matter
	(1) a man of <b>importance</b> , (2) high <b>importance</b>
	I stopped by the branch though I have no business of
	importance.
transmit	<ul> <li>v. to send or forward an electronic signal; to pass something from one person or thing to another</li> <li>synonym: convey, share, dispatch</li> </ul>
	(1) transmit the disease, (2) transmit information
	Parents often transmit their characteristics to their children.
flee	<ul> <li>v. to leave by running away, especially out of fear or danger</li> </ul>
	synonym: exit, escape, run away
	(1) flee their homes, (2) flee abroad
	It is a basic instinct to <b>flee</b> from a dangerous situation.
inspire	<ul> <li>v. to make somebody fill with the desire, confidence, or enthusiasm, especially to do something creative synonym: boost, encourage, enlighten</li> </ul>
	(1) <b>inspire</b> a feeling of curiosity, (2) <b>inspire</b> him to write a

	novel
	The unique style of this martial arts <b>inspired</b> many action film producers.
doll	<ul> <li>n. a child's toy that typically represents a human figure, especially a young girl; an attractive woman; a woman who is subservient or passive</li> <li>synonym: puppet, dolly, toy</li> </ul>
	(1) plastic <b>doll</b> , (2) rag <b>doll</b>
	The antique <b>doll</b> was worth thousands of dollars.
generation	<ul> <li>n. all the people born and living at about the same time, regarded collectively; the production of heat or electricity</li> <li>synonym: cohort, age group, era</li> </ul>
	(1) generation gap, (2) the generation of electricity
	The younger <b>generation</b> has different values and beliefs than the older one.
technological	<i>adj.</i> based on scientific and industrial progress <i>synonym</i> : specialized, technical
	(1) technological advancement, (2) technological policy
	Technological advances have disrupted many industries.
engineer	<ul> <li>n. a person whose job is designing, building, or maintaining something such as machines, structures, or software</li> <li>synonym: architect, creator, builder</li> </ul>
	(1) a civil <b>engineer</b> , (2) <b>engineer</b> shortage
	The engineer will repair my telephone tomorrow morning.
mathematics	<ul> <li>n. the science dealing with the logic of quantities, shapes, spaces, and arrangement</li> <li>synonym: arithmetic, calculation, calculus</li> </ul>
	(1) a good grounding in <b>mathematics</b> , (2) <b>mathematics</b> competition
	He has a flair for <b>mathematics</b> .

critic	<i>n.</i> someone who expresses opinions about the quality of books, music, etc.
	synonym: pundit, analyst, attacker
	(1) art <b>critic</b> , (2) severe <b>critic</b>
	Advocates for legal reform hear less harsh words from their <b>critics</b> .
security	<ul> <li>n. the state of being free from danger, risk, or harm; measures taken to protect against threats or attacks; a financial asset, such as a stock or bond that derives value exclusively from the ownership interest or claim to a particular underlying asset or obligation</li> <li>synonym: safety, protection, stock</li> </ul>
	(1) national <b>security</b> , (2) <b>security</b> analyst
	The building's security system includes cameras, alarms,
	and security guards.
economy	<ul> <li>n. the system by which a country or region produces manages, and distributes goods and services, including the money and finances involved in these activities; (of an airline) the lowest-priced, most basic option for seating in commercial travel</li> <li>synonym: finance, trade, business</li> </ul>
	(1) economy of scale, (2) economy class
	The <b>economy</b> of the country is struggling due to the recent political instability.
vitality	<ul> <li><i>n.</i> the state of being strong and active; energy <i>synonym</i>: energy, life, vigor</li> <li>(1) vitality of youth, (2) the vitality of the company</li> <li>The new gym membership has improved his vitality and</li> </ul>
	overall health.
reprogram	v. to modify or recreate a program
	synonym: recreate, modify, revamp
	<ul><li>(1) reprogram a device, (2) reprogram a database</li><li>He reprogrammed the computer's operating system to</li></ul>

remove the safeguard.

instrument	<ul> <li>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</li> <li>synonym: apparatus, tool, device</li> </ul>
	(1) musical <b>instruments</b> , (2) surgical <b>instruments</b>
	This electronic <b>instrument</b> is required to undergo periodic
	inspections to ensure precision.
aboard	<ul> <li>adv. on or onto a ship, aircraft, or other vehicles; present or participating in a particular activity or endeavor</li> <li>synonym: on board, on, in</li> </ul>
	(1) <b>aboard</b> the ship, (2) remain <b>aboard</b>
	The captain announced that all passengers should be
	aboard the ferry before it departed for the island.
pinpoint	<ul> <li>v. to locate or identify the exact position in space or time of something</li> <li>synonym: name, direct, identify</li> </ul>
	(1) <b>pinpoint</b> the problem, (2) <b>pinpoint</b> signs of manipulation
	This radar quickly <b>pinpoints</b> the position of the enemy.
emanate	<ul> <li>v. to emit, send out something; to express a quality or feeling</li> </ul>
	synonym: radiate, exude, give off
	(1) emanate light, (2) emanate happiness
	The fragrance of flowers <b>emanated</b> from the garden.
gradient	<ul> <li>n. the degree or rate of incline or decline along a physical or abstract line; a gradual progression</li> <li>synonym: slope, incline, grade</li> </ul>
	(1) gradient descent, (2) economic gradient
	The road's <b>gradient</b> was steep, making it challenging for cyclists.

transport	<ul> <li>a system for moving people or products from one location to another using automobiles, roads, and so on</li> </ul>
	synonym: shipment, transit, conveyance
	(1) <b>transport</b> facilities, (2) access to public <b>transport</b>
	Enhanced rail transportation is crucial for our business.
diameter	<ul> <li>n. the length of a straight line passing through the center of a circle and connecting two points on the circumference synonym: diam, width</li> </ul>
	(1) <b>diameter</b> of an oval, (2) a particle <b>diameter</b>
	Draw a circle five centimeters in <b>diameter</b> .
wingspan	<ul> <li>n. the distance between the tips of a bird's wings when fully extended and in flight; often used to describe the size or scope of something, particularly about physical objects or structures</li> </ul>
	synonym: reach, spread, extent
	<ol> <li>bird wingspan, (2) airplane wingspan</li> <li>The bald eagle has an impressive wingspan of over 7 feet.</li> </ol>
sequence	n. a series of related events, actions, numbers, etc., which have a particular order
	synonym: arrangement, succession, series
	(1) the <b>sequence</b> of the seasons, (2) the DNA <b>sequence</b>
	We do move forward with those tasks in <b>sequence</b> next week.
engine	<ul> <li>n. a machine that converts thermal energy to mechanical work; something that has an important role used to achieve a purpose</li> <li>synonym: motor, locomotive, driver</li> </ul>
	(1) a steam <b>engine</b> , (2) an air-cooled <b>engine</b>
	The policies he announces can be the <b>engine</b> of economic
	growth in the country.
liftoff	<i>n.</i> the moment when a spacecraft or other vehicle takes off and lifts off the ground; the act or process of launching

	or beginning an endeavor <i>synonym</i> : takeoff, launching, ascent (1) <b>liftoff</b> time, (2) <b>liftoff</b> procedure The spacecraft had a successful <b>liftoff</b> , launching into the atmosphere.
launch	<ul> <li>v. to send or propel something into the air or space using a device such as a rocket, missile, or spacecraft; to make something available or on sale for the first time</li> <li>synonym: start, initiate, begin</li> </ul>
	<ul><li>(1) launch a spaceship into orbit, (2) launch a big attack</li><li>The company is set to launch its new product line next month.</li></ul>
friction	<ul> <li>n. the force that opposes motion between two objects in contact, especially by producing heat and wear, and is proportional to the normal force between the objects</li> <li>synonym: rub, scrape, resistance</li> </ul>
	(1) friction force, (2) surface friction
	The <b>friction</b> between the two countries was causing tension.
parachute	<i>n</i> . a device used to slow the motion of people or objects through an atmosphere consisting of a large piece of thin cloth that is attached to them and opens out in the air
	(1) parachute troops, (2) golden parachute
	This training includes emergency escape drills with <b>parachutes</b> .
thermal	<ul><li>adj. relating to heat or temperature; designed for or capable of producing or maintaining heat</li><li>synonym: heat-related, warm, hot</li></ul>
	(1) thermal insulation, (2) thermal energy
	The <b>thermal</b> imaging camera was used to detect heat signatures in the dark.

exposed	<ul> <li>adj. having no protection or shield from something, such as bad weather, attack, or criticism</li> <li>synonym: endangered, revealed, disclosed</li> </ul>
	(1) <b>exposed</b> to radiation, (2) an <b>exposed</b> rock
	Tech companies often employ <b>exposed</b> ducts and other materials in their office interiors.
unfold	<ul> <li>v. to open up or spread out something that is folded or rolled up; to reveal or disclose something that was previously hidden or unknown</li> <li>synonym: open, spread out, expose</li> </ul>
	(1) <b>unfold</b> the story, (2) <b>unfold</b> the stroller
	The mystery <b>unfolded</b> as the detectives gathered more clues.
rewrite	<ul> <li>v. to write something such as a book or speech again in a different way, usually to improve it or add new information</li> <li>synonym: revise, edit, rework</li> </ul>
	(1) <b>rewrite</b> a composition, (2) <b>rewrite</b> a world record
	I need to <b>rewrite</b> most of the essay with feedback from my
	teacher.
resolution	<ul> <li>n. a firm decision or determination to do or not do something; the action of solving a problem, dispute, or conflict; the quality of being resolved or determined; the clarity and sharpness of an image or display</li> <li>synonym: determination, decision, settlement</li> </ul>
	(1) <b>resolution</b> of a conflict, (2) display <b>resolution</b>
	He made a New Year's <b>resolution</b> to exercise more and eat healthier.
tunnel	<i>n.</i> an underground or underwater passage, typically for trains or cars
	synonym: passageway, underground passage
	(1) <b>tunnel</b> construction work, (2) <b>tunnel</b> disease
	The workers had to dig through solid rock to create the

vehicular **tunnel** allowing the cars to pass through the mountain.

density	<i>n.</i> the quality of compactness of a substance <i>synonym</i> : tightness, viscosity
	(1) population <b>density</b> , (2) higher pixel <b>density</b>
	Do you know the <b>density</b> of the population in Hong Kong?
cross-country	<i>adj.</i> relating to or taking place across the open country rather than on roads or tracks; involving travel by foot, horse, or vehicle over rough terrain or through wilderness areas; (noun) a long-distance race or journey that takes place over rough or varied terrain, such as hills, forests, or fields
	synonym: rural, remote, backcountry
	(1) cross-country road trip, (2) cross-country skiing
	We had to take a <b>cross-country</b> flight because no direct flights were available.
altitude	<i>n.</i> the height of an object or point in relation to sea level or ground level
	synonym: height, elevation, tallness
	(1) the meridian <b>altitude</b> , (2) low <b>altitude</b>
	The plane flew at a high <b>altitude</b> to avoid turbulence.
helium	<i>n.</i> a colorless, odorless, tasteless, non-toxic, inert, monatomic gas, the first in the noble gas series in the periodic table
	synonym: He, light gas, noble gas
	(1) <b>helium</b> atom, (2) <b>helium</b> gas
	The <b>helium-filled</b> balloons floated into the sky.
balloon	<ul> <li><i>n</i>. a small bag made of thin rubber or other light material that can be inflated with air or gas, used as a toy or as a decoration; (verb) to become inflated</li> <li><i>synonym</i>: aerostat, blimp, (verb) billow out</li> </ul>
	(1) <b>balloon</b> ride, (2) <b>balloon</b> into a severe political problem

<ul> <li>n. authority, control, or mastery over something, often referring to military or leadership contexts; a directive, order, or instruction; expertise or confidence in a specific area; (verb) to give an authoritative order or instruction, or to be in charge or control of something</li> <li>synonym: control, authority, leadership</li> </ul>		
or		
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<ul> <li>n. the act or process of putting in and keeping something in a particular place for use in the future; an electronic memory device that can store information</li> <li>synonym: storehouse, depository, warehousing</li> </ul>		
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ery		

year.

honorarium	<ul> <li>n. a payment or fee given to someone, typically for professional services, that is not officially required or a standard salary, often given as a token of appreciation or to show respect</li> <li>synonym: payment, fee, compensation</li> </ul>				
	(1) honorarium fee, (2) academic honorarium				
	The guest speaker was given an <b>honorarium</b> for delivering an insightful lecture.				
jet	<ul> <li>n. a type of aircraft that is powered by one or more jet engines and can fly at high speeds, typically over long distances</li> <li>synonym: plane, aircraft, flier</li> </ul>				
	(1) private <b>jet</b> , (2) commercial <b>jet</b>				
	The <b>jet</b> flew over the ocean at high speed, reaching its destination in hours.				
propulsion	<ul> <li>n. the act or process of propelling or driving something forward, often using a motor, engine, or other mechanical means</li> <li>synonym: propelling, driving, actuation</li> </ul>				
	(1) <b>propulsion</b> technology, (2) nuclear <b>propulsion</b>				
	The spacecraft's <b>propulsion</b> system helped it travel through space.				
laboratory	<ul> <li>n. a workplace for doing scientific research or teaching science; a lab</li> <li>synonym: lab, workshop, testing room</li> </ul>				
	(1) <b>laboratory</b> accident, (2) anthropology <b>laboratory</b> Animal protection groups call for an end to animal testing in a <b>laboratory</b> .				
corporation	<ul> <li>n. a large company or group of companies that are controlled together by law as a single unit synonym: business, company, enterprise</li> </ul>				

	(1) a public <b>corporation</b> , (2) <b>corporation</b> assets			
	Four companies were amalgamated into a single			
	corporation.			
conclude	<ul> <li>v. to come to an end or close; to reach a judgment or opinion by reasoning</li> <li>synonym: complete, finish, decide</li> </ul>			
	(1) <b>conclude</b> a meeting, (2) <b>conclude</b> that he is healthy			
	We <b>concluded</b> a cease-fire.			
verge	<ul> <li>n. the point at which something is about to happen or where something begins; the edge or margin of something, particularly a physical boundary or border</li> <li>synonym: brink, edge, margin</li> </ul>			
	(1) <b>verge</b> of bankruptcy, (2) on the <b>verge</b> of tears			
	He stood on the <b>verge</b> of a major discovery.			
exciting	<i>adj.</i> causing a lot of interest or excitement <i>synonym</i> : exhilarating, stimulating, thrilling			
	(1) exciting football player, (2) exciting news			
	The findings of the experiment were both <b>exciting</b> and unexpected.			

## **Session 2: Spelling**

1.	the root problem of her depon	n.	a mental condition in which a person feels very unhappy and without hope for the future; a severe recession in an economy or market
2.	ror mission	n.	a vehicle designed to travel over rough terrain, especially on the surface of a planet or moon
3.	ener shortage	n.	a person whose job is designing, building, or maintaining something such as machines, structures, or software
4.	matcs competition	n.	the science dealing with the logic of quantities, shapes, spaces, and arrangement
5.	colorless lid	n.	a substance, such as water or oil that flows freely and is neither a solid nor a gas
6.	mete impact	n.	a solid object originating in outer space that reaches the Earth's surface without completely vaporizing in the atmosphere; a rock that has fallen from space
7.	remain abd	adv.	on or onto a ship, aircraft, or other vehicles; present or participating in a particular activity or endeavor
8.	economic grnt	n.	the degree or rate of incline or decline along a physical or abstract line; a gradual progression

ANSWERS: 1. depression, 2. rover, 3. engineer, 4. mathematics, 5. liquid, 6. meteorite, 7. aboard, 8. gradient

9.	hem atom	n.	a colorless, odorless, tasteless, non-toxic, inert, monatomic gas, the first in the noble gas series in the periodic table
10.	rag dl	n.	a child's toy that typically represents a human figure, especially a young girl; an attractive woman; a woman who is subservient or passive
11.	genon gap	n.	all the people born and living at about the same time, regarded collectively; the production of heat or electricity
12.	a convivial atmre	n.	the mass of air that surrounds the Earth; the pervading tone or mood of a place, situation, or creative work
13.	ael antenna	n.	a type of acrobatics or gymnastics performed while suspended from hanging fabric or rings; a pass or shot in sports (particularly in soccer or volleyball) that is made while the player is in the air
14.	can of skyscrapers	n.	a large deep valley with very steep sides of rock and usually formed by a river
15.	increase in voic activity	adj.	relating to or produced by or consisting of volcano
16.	population dey	n.	the quality of compactness of a substance
17.	northern hemre	n.	half of the terrestrial globe; half of a sphere

ANSWERS: 9. helium, 10. doll, 11. generation, 12. atmosphere, 13. aerial, 14. canyon, 15. volcanic, 16. density, 17. hemisphere

18. asid explorer	n.	(also "planetoid") a small rocky body orbiting the sun, typically in the region between Mars and Jupiter
19. a ste battery	n.	the act or process of putting in and keeping something in a particular place for use in the future; an electronic memory device that can store information
20. coron assets	n.	a large company or group of companies that are controlled together by law as a single unit
21. envnt affairs	n.	the natural world such as air, water, and land in which humans, animals, and plants live
22. real estate agy	n.	an organization or business that is responsible for specific activities or services, especially when representing other organizations or businesses; the capacity or power to act or exert influence; the ability to make decisions and take action
23. spaft launch	n.	a vehicle designed to travel through space, typically carrying astronauts or scientific instruments
24. dict difference	adj.	noticeable from something else of a similar type
25. vee of bankruptcy	n.	the point at which something is about to happen or where something begins; the edge or margin of something, particularly a physical boundary or border

ANSWERS: 18. asteroid, 19. storage, 20. corporation, 21. environment, 22. agency, 23. spacecraft, 24. distinct, 25. verge

26. ael photography	n.	a type of acrobatics or gymnastics performed while suspended from hanging fabric or rings; a pass or shot in sports (particularly in soccer or volleyball) that is made while the player is in the air
27. higher pixel dey	n.	the quality of compactness of a substance
28. twisty can road	n.	a large deep valley with very steep sides of rock and usually formed by a river
29. a good grounding in matcs	n.	the science dealing with the logic of quantities, shapes, spaces, and arrangement
30. m_r a proper relationship	v.	to damage or spoil the appearance or surface of something
31. proud of his accents	n.	the successful completion of a task or goal; an ability that has been acquired by training
32. collision tecs	n.	the study of the processes that shape the Earth's surface, including the movements of tectonic plates, earthquakes, and volcanic activity
33. distance g_p	n.	a conspicuous disparity or difference separates something such as a figure, people, their opinions, situation, etc.
34. lah a big attack	v.	to send or propel something into the air or space using a device such as a rocket, missile, or spacecraft; to make something available or on sale for the first time

ANSWERS: 26. aerial, 27. density, 28. canyon, 29. mathematics, 30. mar, 31. accomplishment, 32. tectonics, 33. gap, 34. launch

35. phoph memories	n.	a picture or image that is produced by a camera; a visual representation or record of a person, object, or scene that has been captured electronically or on film
36. crotry skiing	adj.	relating to or taking place across the open country rather than on roads or tracks; involving travel by foot, horse, or vehicle over rough terrain or through wilderness areas; (noun) a long-distance race or journey that takes place over rough or varied terrain, such as hills, forests, or fields
37. phoph album	n.	a picture or image that is produced by a camera; a visual representation or record of a person, object, or scene that has been captured electronically or on film
38. animal masm	n.	the force that causes attraction or repulsion between magnetic substances; a charismatic or attractive quality that attracts people or causes them to be drawn to someone or something
39. bureau of gey	n.	a science that deals with the history of the earth as recorded in rocks
40. geographical suor	n.	an engineer who measures and records the details of areas of land
41. blh cloth	adj.	having a color that is a shade of blue
42. a meteorological sate	n.	an electronic device that is sent up into space and moves around the Earth or another planet, used for gathering information or communicating by radio, television, etc.

ANSWERS: 35. photograph, 36. cross-country, 37. photograph, 38. magnetism, 39. geology, 40. surveyor, 41. bluish, 42. satellite

43.	phx rising	n.	a mythical bird that is said to live for several hundred years before dying in flames and then rising again from its ashes; a symbol of rebirth, regeneration, or immortality
44.	roh and tough	adj.	not quite exact or correct; having or caused by an irregular surface
45.	fote situation	adj.	having good luck or lucky
46.	m_r the reputation	v.	to damage or spoil the appearance or surface of something
47.	ecy of scale	n.	the system by which a country or region produces manages, and distributes goods and services, including the money and finances involved in these activities; (of an airline) the lowest-priced, most basic option for seating in commercial travel
48.	the vity of the company	n.	the state of being strong and active; energy
49.	lah a spaceship into orbit	v.	to send or propel something into the air or space using a device such as a rocket, missile, or spacecraft; to make something available or on sale for the first time
50.	nan-state	n.	a large organized community of people living in a particular country or region and having a particular culture
51.	code a meeting	v.	to come to an end or close; to reach a judgment or opinion by reasoning

ANSWERS: 43. phoenix, 44. rough, 45. fortunate, 46. mar, 47. economy, 48. vitality, 49. launch, 50. nation, 51. conclude

52. dir according to species	v.	to be not like someone or something in some way
53. an opne remark	adj.	suitable or happening at a time that is suitable or convenient for a particular purpose
54. subce mining	adj.	situated or located beneath the surface of something; existing or occurring within the deeper layers of a material or object, often referring to areas below the Earth's surface
55. sety analyst	n.	the state of being free from danger, risk, or harm; measures taken to protect against threats or attacks; a financial asset, such as a stock or bond that derives value exclusively from the ownership interest or claim to a particular underlying asset or obligation
56. at an elon of 1000 feet	n.	the height of something above sea level or above the ground; the event of something being raised upward
57. the g_p between ideal and reality	n.	a conspicuous disparity or difference separates something such as a figure, people, their opinions, situation, etc.
58. display reson	n.	a firm decision or determination to do or not do something; the action of solving a problem, dispute, or conflict; the quality of being resolved or determined; the clarity and sharpness of an image or display
59. intellectual ft	n.	a notable or impressive achievement, especially one that requires great skill or bravery

ANSWERS: 52. differ, 53. opportune, 54. subsurface, 55. security, 56. elevation, 57. gap, 58. resolution, 59. feat

60.	lunar crr	n.	a huge bowl-shaped cavity in the earth or an object in space, usually created by an explosion or the impact of a meteorite
61.	airplane wian	n.	the distance between the tips of a bird's wings when fully extended and in flight; often used to describe the size or scope of something, particularly about physical objects or structures
62.	ree a prisoner	v.	to set free or allow to escape from confinement
63.	carbon dioxide in the atmre	n.	the mass of air that surrounds the Earth; the pervading tone or mood of a place, situation, or creative work
64.	asid mining	n.	(also "planetoid") a small rocky body orbiting the sun, typically in the region between Mars and Jupiter
65.	unsolved myy	n.	something difficult to understand or explain; a secret or enigmatic quality that adds to the fascination or interest of something; a genre of fiction that involves the solution of a crime or a puzzle
66.	doe blood to the Red Cross	<i>V</i> .	to give money, food, clothes, etc. to help a person or organization
67.	a comle amount of energy	adj.	able to link the similarities or differences with others; similar or equivalent to someone or something
68.	less fote person	adj.	having good luck or lucky

ANSWERS: 60. crater, 61. wingspan, 62. release, 63. atmosphere, 64. asteroid, 65. mystery, 66. donate, 67. comparable, 68. fortunate

69.	ge expression	n.	the fundamental unit of heredity and the sequence of nucleotides in DNA that codes for the creation of RNA or protein.
70.	exd to radiation	adj.	having no protection or shield from something, such as bad weather, attack, or criticism
71.	obn a license	v.	to get something, especially by making a great effort
72.	cod a battery	n.	authority, control, or mastery over something, often referring to military or leadership contexts; a directive, order, or instruction; expertise or confidence in a specific area; (verb) to give an authoritative order or instruction, or to be in charge or control of something
73.	his majestic prce	n.	the fact or state that someone or something exists, occurs, or is present
74.	a steam ene	n.	a machine that converts thermal energy to mechanical work; something that has an important role used to achieve a purpose
75.	permanent mat	n.	an object or substance that can attract certain materials, such as iron or steel
76.	atmospheric mee	n.	a chemical compound with the chemical formula CH4 with no smell or color, often used as a fuel
77.	a planetary ort	n.	the path of an object around a celestial body, especially a planet, star, or moon, under the influence of gravity; (of medicine) the bony cavity in the skull that houses the eyeball and its associated structures, like muscles, nerves, and blood vessels

ANSWERS: 69. gene, 70. exposed, 71. obtain, 72. command, 73. presence, 74. engine, 75. magnet, 76. methane, 77. orbit

78.	roc guide operation	adj.	of or relating to mechanical robots; (robotics) the interdisciplinary branch of computer science and engineering with the practical use of robots
79.	cerebral hemre	n.	half of the terrestrial globe; half of a sphere
80.	scientific jol	n.	a newspaper or magazine specialized in a specific topic or profession
81.	proon technology	n.	the act or process of propelling or driving something forward, often using a motor, engine, or other mechanical means
82.	dep a skill	v.	to grow or expand; to improve or refine through a process of progress and refinement, often to achieve greater sophistication or complexity; to elaborate or add detail to something that is in the process of being created
83.	lif procedure	n.	the moment when a spacecraft or other vehicle takes off and lifts off the ground; the act or process of launching or beginning an endeavor
84.	hazardous lid	n.	a substance, such as water or oil that flows freely and is neither a solid nor a gas
85.	lif time	n.	the moment when a spacecraft or other vehicle takes off and lifts off the ground; the act or process of launching or beginning an endeavor
86.	intng character	adj.	arousing curiosity or interest, often due to a mysterious or complex quality; fascinating or captivating

ANSWERS: 78. robotic, 79. hemisphere, 80. journal, 81. propulsion, 82. develop, 83. liftoff, 84. liquid, 85. liftoff, 86. intriguing

87.	bird wian	n.	the distance between the tips of a bird's wings when fully extended and in flight; often used to describe the size or scope of something, particularly about physical objects or structures
88.	a GPS sate	n.	an electronic device that is sent up into space and moves around the Earth or another planet, used for gathering information or communicating by radio, television, etc.
89.	the Great Depon	n.	a mental condition in which a person feels very unhappy and without hope for the future; a severe recession in an economy or market
90.	abd the ship	adv.	on or onto a ship, aircraft, or other vehicles; present or participating in a particular activity or endeavor
91.	unl a plot	<i>v</i> .	undo twisted, knitted, or woven threads by separating it
92.	local gey	n.	a science that deals with the history of the earth as recorded in rocks
93.	detailed tophy	n.	the arrangement and physical features of a particular area or region, including its natural and artificial elements and their relative positions and elevations; the study or description of this arrangement and these features
94.	supse image	v.	to place, layer, or overlay one thing on top of another, typically in such a way that both are still visible; to add or combine something additional into an existing structure, design, or system

ANSWERS: 87. wingspan, 88. satellite, 89. depression, 90. aboard, 91. unravel, 92. geology, 93. topography, 94. superimpose

95. the masm of the moon	n.	the force that causes attraction or repulsion between magnetic substances; a charismatic or attractive quality that attracts people or causes them to be drawn to someone or something
96. ream a device	<i>v</i> .	to modify or recreate a program
97. severe crc	n.	someone who expresses opinions about the quality of books, music, etc.
98. labry accident	n.	a workplace for doing scientific research or teaching science; a lab
99. grd bargain	adj.	important and large in size, scope, or extent
100. ecy class	n.	the system by which a country or region produces manages, and distributes goods and services, including the money and finances involved in these activities; (of an airline) the lowest-priced, most basic option for seating in commercial travel
101. rot fuel	n.	a large tube-shaped object that moves very first by a stream of gases let out behind it, used for space travel or as a weapon
102. on a qu_t for happiness	n.	a long or challenging search for something
103. amg advances	adj.	extremely surprising, especially in a way that you like or admire
104. ple of smoke	n.	a large feather or group of feathers worn as an ornament or a symbol of achievement or distinction, especially on a hat

ANSWERS: 95. magnetism, 96. reprogram, 97. critic, 98. laboratory, 99. grand, 100. economy, 101. rocket, 102. quest, 103. amazing, 104. plume

105. a member of the Acy	n.	a school for special training; a type of official organization that aims to encourage and develop standards in its particular field
106. fron force	n.	the force that opposes motion between two objects in contact, especially by producing heat and wear, and is proportional to the normal force between the objects
107. ree a world record	v.	to write something such as a book or speech again in a different way, usually to improve it or add new information
108. mat attraction	n.	an object or substance that can attract certain materials, such as iron or steel
109. intng concept	adj.	arousing curiosity or interest, often due to a mysterious or complex quality; fascinating or captivating
110. ft accomplishment	n.	a notable or impressive achievement, especially one that requires great skill or bravery
111. dict from each other	adj.	noticeable from something else of a similar type
112. myy novel	n.	something difficult to understand or explain; a secret or enigmatic quality that adds to the fascination or interest of something; a genre of fiction that involves the solution of a crime or a puzzle
113. ream a database	<i>v</i> .	to modify or recreate a program

ANSWERS: 105. academy, 106. friction, 107. rewrite, 108. magnet, 109. intriguing, 110. feat, 111. distinct, 112. mystery, 113. reprogram

114. orn of information	n.	the first existence or beginning of something
115. code that he is healthy	v.	to come to an end or close; to reach a judgment or opinion by reasoning
116. pre-Christian ant	adj.	relating to the long ago, particularly the historical period preceding the fall of the Western Roman Empire; very old
117. 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
118. dey troops for battle	ν.	to move troops or weapons into a position or military action; to bring into something in an effective way
119. vity of youth	n.	the state of being strong and active; energy
120. plenty of inor space	n.	the inside or inner part of something; the space within the walls of a building
121. roh estimation	adj.	not quite exact or correct; having or caused by an irregular surface
122. a pater in the tech industry	n.	a person or thing that leads the way or explores new territory; someone who finds or discovers a new route or method; a person or vehicle used to navigate or explore unfamiliar or dangerous areas
123. subce oil reserves	adj.	situated or located beneath the surface of something; existing or occurring within the deeper layers of a material or object, often referring to areas below the Earth's surface

ANSWERS: 114. origin, 115. conclude, 116. ancient, 117. planet, 118. deploy, 119. vitality, 120. interior, 121. rough, 122. pathfinder, 123. subsurface

124.	ba problem	n into a severe political	n.	a small bag made of thin rubber or other light material that can be inflated with air or gas, used as a toy or as a decoration; (verb) to become inflated
125.	an indo	mitable spt	n.	the part of a person which is the seat of their mind, feelings, and character rather than their physical body; the general atmosphere of a place or situation and the effect that it has on people
126.	sta	cs for cancer	n.	the discipline that concerns the collection, organization, analysis, interpretation, and presentation of data
127.	hen	n gas	n.	a colorless, odorless, tasteless, non-toxic, inert, monatomic gas, the first in the noble gas series in the periodic table
128.	the plus	s pe	n.	one of two antipodal points where the Earth's axis of rotation intersects the Earth's surface; a long, slender, rounded rod, typically of wood or metal, used as a support or to hang something
129.	a grc	d meal	adj.	important and large in size, scope, or extent
130.	ine	criticism	v.	to ask someone to come or join; to offer an opportunity or possibility for something to happen or take place
131.	the mer	ridian alde	n.	the height of an object or point in relation to sea level or ground level
132.	go on a	serious ody	n.	a long wandering and eventful journey; a Greek epic poem attributed to Homer, describing the journey of Odysseus after the fall of Troy

ANSWERS: 124. balloon, 125. spirit, 126. statistics, 127. helium, 128. pole, 129. grand, 130. invite, 131. altitude, 132. odyssey

133. cote materials	adj.	made up of different parts, elements, or substances; (noun) something made from two or more different substances
134. ban ride	n.	a small bag made of thin rubber or other light material that can be inflated with air or gas, used as a toy or as a decoration; (verb) to become inflated
135. eme happiness	v.	to emit, send out something; to express a quality or feeling
136. ten map	n.	the physical features of a piece of land, including hills, valleys, rivers, and forests
137. the teue applied to construction	n.	a particular way or art of doing something that needs skill
138. pate troops	n.	a device used to slow the motion of people or objects through an atmosphere consisting of a large piece of thin cloth that is attached to them and opens out in the air
139. administrative heaer	n.	the central office or location from which a business or organization is managed
140. effects of voic eruptions	adj.	relating to or produced by or consisting of volcano
141. surface fron	n.	the force that opposes motion between two objects in contact, especially by producing heat and wear, and is proportional to the normal force between the objects
142. an emergency heaer	n.	the central office or location from which a business or organization is managed

ANSWERS: 133. composite, 134. balloon, 135. emanate, 136. terrain, 137. technique, 138. parachute, 139. headquarter, 140. volcanic, 141. friction, 142. headquarter

143. elon in rank	n.	the height of something above sea level or above the ground; the event of something being raised upward
144. micic analysis	adj.	tiny; exceedingly precise and detail-oriented; of or used in microscopy
145. pung behavior	adj.	confusing or difficult to understand; mysterious
146. tophy map	n.	the arrangement and physical features of a particular area or region, including its natural and artificial elements and their relative positions and elevations; the study or description of this arrangement and these features
147. the evidence of the prce	n.	the fact or state that someone or something exists, occurs, or is present
148. private j_t	n.	a type of aircraft that is powered by one or more jet engines and can fly at high speeds, typically over long distances
149. evon theory	n.	a gradual process of transformation of living things
150. fe abroad	v.	to leave by running away, especially out of fear or danger
151. gain edal help	adj.	relating to the expression of opinions or interpretations in the media
152. doe to charity	v.	to give money, food, clothes, etc. to help a person or organization
153. blh color	adj.	having a color that is a shade of blue
154. por regions	adj.	relating to, or close to, the North or South Pole; characterized by complete opposites

ANSWERS: 143. elevation, 144. microscopic, 145. puzzling, 146. topography, 147. presence, 148. jet, 149. evolution, 150. flee, 151. editorial, 152. donate, 153. bluish, 154. polar

155. grnt descent	n.	the degree or rate of incline or decline along a physical or abstract line; a gradual progression
156. a precise meant	n.	the act or process of finding something's size, quantity, or degree
157. the genon of electricity	n.	all the people born and living at about the same time, regarded collectively; the production of heat or electricity
158. plate tecs	n.	the study of the processes that shape the Earth's surface, including the movements of tectonic plates, earthquakes, and volcanic activity
159. a seafaring nan	n.	a large organized community of people living in a particular country or region and having a particular culture
160. aercs research	n.	the science or art of designing, building, and flying aircraft
161. a cote of different photographs	adj.	made up of different parts, elements, or substances; (noun) something made from two or more different substances
162. dier of an oval	n.	the length of a straight line passing through the center of a circle and connecting two points on the circumference
163. musical insnts	n.	an object used to make musical sounds, such as a piano, guitar, or drum; a tool or device used for a specific activity, particularly in specialist or scientific work

ANSWERS: 155. gradient, 156. measurement, 157. generation, 158. tectonics, 159. nation, 160. aeronautics, 161. composite, 162. diameter, 163. instrument

164. golden pate	n.	a device used to slow the motion of people or objects through an atmosphere consisting of a large piece of thin cloth that is attached to them and opens out in the air
165. permafrost ten	n.	the physical features of a piece of land, including hills, valleys, rivers, and forests
166. exng news	adj.	causing a lot of interest or excitement
167. compound the ingnts	n.	one of the things used to make something, especially one of the foods used to make a particular dish
168. phx feather	n.	a mythical bird that is said to live for several hundred years before dying in flames and then rising again from its ashes; a symbol of rebirth, regeneration, or immortality
169. ree the cardboard boxes	v.	to sort and collect things to process them and produce valuable materials that can be used again
170. ste at low temperature	n.	the act or process of putting in and keeping something in a particular place for use in the future; an electronic memory device that can store information
171. crr lake	n.	a huge bowl-shaped cavity in the earth or an object in space, usually created by an explosion or the impact of a meteorite

ANSWERS: 164. parachute, 165. terrain, 166. exciting, 167. ingredient, 168. phoenix, 169. recycle, 170. storage, 171. crater

172. eme light	v.	to emit, send out something; to express a quality or feeling
173. teccal policy	adj.	based on scientific and industrial progress
174. exve experience	adj.	covering a large area; having a wide range
175. ine a feeling of curiosity	v.	to make somebody fill with the desire, confidence, or enthusiasm, especially to do something creative
176. crotry road trip	adj.	relating to or taking place across the open country rather than on roads or tracks; involving travel by foot, horse, or vehicle over rough terrain or through wilderness areas; (noun) a long-distance race or journey that takes place over rough or varied terrain, such as hills, forests, or fields
177. the most amg feeling	adj.	extremely surprising, especially in a way that you like or admire
178. ine him to write a novel	v.	to make somebody fill with the desire, confidence, or enthusiasm, especially to do something creative
179. alien spaft	n.	a vehicle designed to travel through space, typically carrying astronauts or scientific instruments
180. honum fee	n.	a payment or fee given to someone, typically for professional services, that is not officially required or a standard salary, often given as a token of appreciation or to show respect

ANSWERS: 172. emanate, 173. technological, 174. extensive, 175. inspire, 176. cross-country, 177. amazing, 178. inspire, 179. spacecraft, 180. honorarium

181. nuclear proon	n.	the act or process of propelling or driving something forward, often using a motor, engine, or other mechanical means
182. 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
183. fly mission	n.	a close approach to a celestial body, especially a planet, by a spacecraft without landing or entering orbit
184. commercial j_t	n.	a type of aircraft that is powered by one or more jet engines and can fly at high speeds, typically over long distances
185. a teue in martial arts	n.	a particular way or art of doing something that needs skill
186. racial orn	n.	the first existence or beginning of something
187. unl a knit	ν.	undo twisted, knitted, or woven threads by separating it
188. glrs move tardily	n.	a slowly moving mass of ice formed from snow on mountains or near the North Pole or the South Pole
189. chaotic envnt	n.	the natural world such as air, water, and land in which humans, animals, and plants live
190. ine guests	ν.	to ask someone to come or join; to offer an opportunity or possibility for something to happen or take place

ANSWERS: 181. propulsion, 182. crust, 183. flyby, 184. jet, 185. technique, 186. origin, 187. unravel, 188. glacier, 189. environment, 190. invite

191. micic inquiry	adj.	tiny; exceedingly precise and detail-oriented; of or used in microscopy
192. glr retreat	n.	a slowly moving mass of ice formed from snow on mountains or near the North Pole or the South Pole
193. cod and control	n.	authority, control, or mastery over something, often referring to military or leadership contexts; a directive, order, or instruction; expertise or confidence in a specific area; (verb) to give an authoritative order or instruction, or to be in charge or control of something
194. adventurous pater	n.	a person or thing that leads the way or explores new territory; someone who finds or discovers a new route or method; a person or vehicle used to navigate or explore unfamiliar or dangerous areas
195. thl energy	adj.	relating to heat or temperature; designed for or capable of producing or maintaining heat
196. the ort of the moon	n.	the path of an object around a celestial body, especially a planet, star, or moon, under the influence of gravity; (of medicine) the bony cavity in the skull that houses the eyeball and its associated structures, like muscles, nerves, and blood vessels
197. access to public trrt	n.	a system for moving people or products from one location to another using automobiles, roads, and so on

ANSWERS: 191. microscopic, 192. glacier, 193. command, 194. pathfinder, 195. thermal, 196. orbit, 197. transport

198. reson of a conflict	n.	a firm decision or determination to do or not do something; the action of solving a problem, dispute, or conflict; the quality of being resolved or determined; the clarity and sharpness of an image or display
199. secret ingnts	n.	one of the things used to make something, especially one of the foods used to make a particular dish
200. the sece of the seasons	n.	a series of related events, actions, numbers, etc., which have a particular order
201. tuI construction work	n.	an underground or underwater passage, typically for trains or cars
202. dee a question	v.	to make up someone's mind about something; to come to a conclusion or judgment after considering options
203. official stacs	n.	the discipline that concerns the collection, organization, analysis, interpretation, and presentation of data
204. comle sales	adj.	able to link the similarities or differences with others; similar or equivalent to someone or something
205. an acy of music	n.	a school for special training; a type of official organization that aims to encourage and develop standards in its particular field
206. 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

ANSWERS: 198. resolution, 199. ingredient, 200. sequence, 201. tunnel, 202. decide, 203. statistics, 204. comparable, 205. academy, 206. planet

207. puly accessible record	adv.	in a manner accessible to or observable by the public; by the government
208. the qut for truth	n.	a long or challenging search for something
209. national sety	n.	the state of being free from danger, risk, or harm; measures taken to protect against threats or attacks; a financial asset, such as a stock or bond that derives value exclusively from the ownership interest or claim to a particular underlying asset or obligation
210. academic honum	n.	a payment or fee given to someone, typically for professional services, that is not officially required or a standard salary, often given as a token of appreciation or to show respect
211. mar's compass	n.	a sailor or seaman; someone who works or travels on a boat or ship
212. low alde	n.	the height of an object or point in relation to sea level or ground level
213. por bears	adj.	relating to, or close to, the North or South Pole; characterized by complete opposites
214. und the stroller	v.	to open up or spread out something that is folded or rolled up; to reveal or disclose something that was previously hidden or unknown
215. 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

ANSWERS: 207. publicly, 208. quest, 209. security, 210. honorarium, 211. mariner, 212. altitude, 213. polar, 214. unfold, 215. crust

216. lunar ror	n.	a vehicle designed to travel over rough terrain, especially on the surface of a planet or moon
217. high impce	n.	the quality of being important and worthy of note
218. the sor system	adj.	of, from, or relating to the sun
219. supse text	v.	to place, layer, or overlay one thing on top of another, typically in such a way that both are still visible; to add or combine something additional into an existing structure, design, or system
220. aercs industry	n.	the science or art of designing, building, and flying aircraft
221. obn a bid	v.	to get something, especially by making a great effort
222. the accent of a social goal	n.	the successful completion of a task or goal; an ability that has been acquired by training
223. teccal advancement	adj.	based on scientific and industrial progress
224. tuI disease	n.	an underground or underwater passage, typically for trains or cars
225. seasoned mar	n.	a sailor or seaman; someone who works or travels on a boat or ship
226. pint signs of manipulation	v.	to locate or identify the exact position in space or time of something
227. mete shower	n.	a solid object originating in outer space that reaches the Earth's surface without completely vaporizing in the atmosphere; a rock that has fallen from space

ANSWERS: 216. rover, 217. importance, 218. solar, 219. superimpose, 220. aeronautics, 221. obtain, 222. accomplishment, 223. technological, 224. tunnel, 225. mariner, 226. pinpoint, 227. meteorite

228. inland ban	n.	a natural depression or valley that is circular or oval on the surface of the earth, especially one that has water in it; a container with a bowl form that is typically used to hold food or liquids
229. an exd rock	adj.	having no protection or shield from something, such as bad weather, attack, or criticism
230. roc arm	adj.	of or relating to mechanical robots; (robotics) the interdisciplinary branch of computer science and engineering with the practical use of robots
231. ple of feathers	n.	a large feather or group of feathers worn as an ornament or a symbol of achievement or distinction, especially on a hat
232. ree CO2 into the air	ν.	to set free or allow to escape from confinement
233. ree a composition	v.	to write something such as a book or speech again in a different way, usually to improve it or add new information
234. on the vee of tears	n.	the point at which something is about to happen or where something begins; the edge or margin of something, particularly a physical boundary or border
235. jol articles	n.	a newspaper or magazine specialized in a specific topic or profession
236. surgical insnts	n.	an object used to make musical sounds, such as a piano, guitar, or drum; a tool or device used for a specific activity, particularly in specialist or scientific work

ANSWERS: 228. basin, 229. exposed, 230. robotic, 231. plume, 232. release, 233. rewrite, 234. verge, 235. journal, 236. instrument

237. active voo	n.	a mountain or hill, typically conical, having a crater or vent through which lava, rock fragments, hot vapor, and gas are or have been erupted from the earth's crust.
238. chest meant	n.	the act or process of finding something's size, quantity, or degree
239. inor decoration	n.	the inside or inner part of something; the space within the walls of a building
240. opne occasion	adj.	suitable or happening at a time that is suitable or convenient for a particular purpose
241. voo alert level	n.	a mountain or hill, typically conical, having a crater or vent through which lava, rock fragments, hot vapor, and gas are or have been erupted from the earth's crust.
242. a five-plane fly	n.	a close approach to a celestial body, especially a planet, by a spacecraft without landing or entering orbit
243. human evon	n.	a gradual process of transformation of living things
244. basin-shaped vay	n.	a long depression on the surface of the land, which typically contains a river
245. dee on a course of action	v.	to make up someone's mind about something; to come to a conclusion or judgment after considering options
246. an edal article	adj.	relating to the expression of opinions or interpretations in the media

ANSWERS: 237. volcano, 238. measurement, 239. interior, 240. opportune, 241. volcano, 242. flyby, 243. evolution, 244. valley, 245. decide, 246. editorial

247. an air-cooled ene	n.	a machine that converts thermal energy to mechanical work; something that has an important role used to achieve a purpose
248. a fishing pe	n.	one of two antipodal points where the Earth's axis of rotation intersects the Earth's surface; a long, slender, rounded rod, typically of wood or metal, used as a support or to hang something
249. a man of impce	n.	the quality of being important and worthy of note
250. rot attack against the enemy	n.	a large tube-shaped object that moves very first by a stream of gases let out behind it, used for space travel or as a weapon
251. und the story	v.	to open up or spread out something that is folded or rolled up; to reveal or disclose something that was previously hidden or unknown
252. land suor	n.	an engineer who measures and records the details of areas of land
253. trit information	v.	to send or forward an electronic signal; to pass something from one person or thing to another
254. fe their homes	v.	to leave by running away, especially out of fear or danger
255. exng football player	adj.	causing a lot of interest or excitement
256. puly financed schools	adv.	in a manner accessible to or observable by the public; by the government

ANSWERS: 247. engine, 248. pole, 249. importance, 250. rocket, 251. unfold, 252. surveyor, 253. transmit, 254. flee, 255. exciting, 256. publicly

257. dir from the majority	ν.	to be not like someone or something in some way
258. anthropology labry	n.	a workplace for doing scientific research or teaching science; a lab
259. a civil ener	n.	a person whose job is designing, building, or maintaining something such as machines, structures, or software
260. vay bottom	n.	a long depression on the surface of the land, which typically contains a river
261. the ban of the Great Salt Lake	n.	a natural depression or valley that is circular or oval on the surface of the earth, especially one that has water in it; a container with a bowl form that is typically used to hold food or liquids
262. reduce mee emissions	n.	a chemical compound with the chemical formula CH4 with no smell or color, often used as a fuel
263. thl insulation	adj.	relating to heat or temperature; designed for or capable of producing or maintaining heat
264. trrt facilities	n.	a system for moving people or products from one location to another using automobiles, roads, and so on
265. pung questions	adj.	confusing or difficult to understand; mysterious
266. ant stories	adj.	relating to the long ago, particularly the historical period preceding the fall of the Western Roman Empire; very old
267. a public coron	n.	a large company or group of companies that are controlled together by law as a single unit

ANSWERS: 257. differ, 258. laboratory, 259. engineer, 260. valley, 261. basin, 262. methane, 263. thermal, 264. transport, 265. puzzling, 266. ancient, 267. corporation

268. have exve vocabulary	adj.	covering a large area; having a wide range
269. plastic dl	n.	a child's toy that typically represents a human figure, especially a young girl; an attractive woman; a woman who is subservient or passive
270. dey safety measures	v.	to move troops or weapons into a position or military action; to bring into something in an effective way
271. a sor eclipse	adj.	of, from, or relating to the sun
272. ree milk packaging into new paper	v.	to sort and collect things to process them and produce valuable materials that can be used again
273. spt and the letter of the law	n.	the part of a person which is the seat of their mind, feelings, and character rather than their physical body; the general atmosphere of a place or situation and the effect that it has on people
274. intelligence agy	n.	an organization or business that is responsible for specific activities or services, especially when representing other organizations or businesses; the capacity or power to act or exert influence; the ability to make decisions and take action
275. ge cloning	n.	the fundamental unit of heredity and the sequence of nucleotides in DNA that codes for the creation of RNA or protein.

ANSWERS: 268. extensive, 269. doll, 270. deploy, 271. solar, 272. recycle, 273. spirit, 274. agency, 275. gene

276. cross-country ody	n.	a long wandering and eventful journey; a Greek epic poem attributed to Homer, describing the journey of Odysseus after the fall of Troy
277. the DNA sece	n.	a series of related events, actions, numbers, etc., which have a particular order
278. pint the problem	v.	to locate or identify the exact position in space or time of something
279. dep a strategy	v.	to grow or expand; to improve or refine through a process of progress and refinement, often to achieve greater sophistication or complexity; to elaborate or add detail to something that is in the process of being created
280. a particle dier	n.	the length of a straight line passing through the center of a circle and connecting two points on the circumference
281. trit the disease	v.	to send or forward an electronic signal; to pass something from one person or thing to another
282. art crc	n.	someone who expresses opinions about the quality of books, music, etc.

ANSWERS: 276. odyssey, 277. sequence, 278. pinpoint, 279. develop, 280. diameter, 281. transmit, 282. critic

## Session 3: Fill in the Blanks

- 1. The flowers had a \_\_\_\_\_\_ tint, indicating they needed to be riper.
- *adj.* having a color that is a shade of blue
- 2. The golfer recorded an \_\_\_\_\_ distance.
- *adj.* extremely surprising, especially in a way that you like or admire
- 3. Four companies were amalgamated into a single \_\_\_\_\_.
- *n*. a large company or group of companies that are controlled together by law as a single unit
- 4. The building's \_\_\_\_\_\_ system includes cameras, alarms, and security guards.
- *n*. the state of being free from danger, risk, or harm; measures taken to protect against threats or attacks; a financial asset, such as a stock or bond that derives value exclusively from the ownership interest or claim to a particular underlying asset or obligation
- 5. The \_\_\_\_\_\_ of the country is struggling due to the recent political instability.
- *n.* the system by which a country or region produces manages, and distributes goods and services, including the money and finances involved in these activities; (of an airline) the lowest-priced, most basic option for seating in commercial travel
- 6. Animal protection groups call for an end to animal testing in a \_\_\_\_\_.
- *n.* a workplace for doing scientific research or teaching science; a lab
- 7. The \_\_\_\_\_ flew over the ocean at high speed, reaching its destination in hours.
- *n*. a type of aircraft that is powered by one or more jet engines and can fly at high speeds, typically over long distances

ANSWERS: 1. bluish, 2. amazing, 3. corporation, 4. security, 5. economy, 6. laboratory, 7. jet

- 8. The policies he announces can be the \_\_\_\_\_ of economic growth in the country.
- *n.* a machine that converts thermal energy to mechanical work; something that has an important role used to achieve a purpose
- 9. Many people are working together to close the gender \_\_\_\_.
- *n*. a conspicuous disparity or difference separates something such as a figure, people, their opinions, situation, etc.
- 10. Scientists are studying the composition and origins of the \_\_\_\_\_ belt to understand the early solar system better.
- *n.* (also "planetoid") a small rocky body orbiting the sun, typically in the region between Mars and Jupiter
- 11. The incident attracted \_\_\_\_\_ media coverage throughout the world.
- *adj.* covering a large area; having a wide range
- 12. A defective \_\_\_\_\_ is responsible for the disease.
- *n.* the fundamental unit of heredity and the sequence of nucleotides in DNA that codes for the creation of RNA or protein.
- 13. Launching an artificial \_\_\_\_\_\_ contributed to the technological development of our country.
  - *n.* an electronic device that is sent up into space and moves around the Earth or another planet, used for gathering information or communicating by radio, television, etc.
- 14. The \_\_\_\_\_ launch platform is visible from this hill.
- *n.* a large tube-shaped object that moves very first by a stream of gases let out behind it, used for space travel or as a weapon

ANSWERS: 8. engine, 9. gap, 10. asteroid, 11. extensive, 12. gene, 13. satellite, 14. rocket

- 15. Inspectors noticed \_\_\_\_\_\_ cracks in the submarine's hull.
- adj. tiny; exceedingly precise and detail-oriented; of or used in microscopy
- 16. The \_\_\_\_\_\_ fragments were collected and sent to a laboratory for analysis.
- *n*. a solid object originating in outer space that reaches the Earth's surface without completely vaporizing in the atmosphere; a rock that has fallen from space
- 17. The plane flew at a high \_\_\_\_\_\_ to avoid turbulence.
- *n.* the height of an object or point in relation to sea level or ground level
- 18. The animal rights group worked to \_\_\_\_\_\_ the dolphins back into the wild.
- v. to set free or allow to escape from confinement
- 19. The \_\_\_\_\_\_ demonstrate that poverty and unemployment are genuine problems.
- *n.* the discipline that concerns the collection, organization, analysis, interpretation, and presentation of data
- 20. Tech companies often employ \_\_\_\_\_ ducts and other materials in their office interiors.
- *adj.* having no protection or shield from something, such as bad weather, attack, or criticism
- 21. The Grand \_\_\_\_\_ has an awe-inspiring sight.
- *n.* a large deep valley with very steep sides of rock and usually formed by a river
- Advocates for legal reform hear less harsh words from their \_\_\_\_\_\_.
- *n.* someone who expresses opinions about the quality of books, music, etc.

ANSWERS: 15. microscopic, 16. meteorite, 17. altitude, 18. release, 19. statistics, 20. exposed, 21. Canyon, 22. critics

- 23. \_\_\_\_\_ animals are graceful and efficient swimmers.
- *adj.* relating to, or close to, the North or South Pole; characterized by complete opposites
- 24. The company decided to move its \_\_\_\_\_\_ to New York City.
- *n.* the central office or location from which a business or organization is managed
- 25. Detectives are still attempting to \_\_\_\_\_ the mystery of his death.
- v. undo twisted, knitted, or woven threads by separating it
- 26. \_\_\_\_\_ advances have disrupted many industries.
- adj. based on scientific and industrial progress
- 27. I found an old \_\_\_\_\_\_ of my grandparents from their wedding day.
  - *n.* a picture or image that is produced by a camera; a visual representation or record of a person, object, or scene that has been captured electronically or on film
- 28. \_\_\_\_\_\_ symptoms might include a decrease in appetite and weight loss.
  - *n.* a mental condition in which a person feels very unhappy and without hope for the future; a severe recession in an economy or market
- 29. This study indicates \_\_\_\_\_ activity affects global warming.
- adj. relating to or produced by or consisting of volcano
- 30. The findings of the experiment were both \_\_\_\_\_ and unexpected.
- adj. causing a lot of interest or excitement
- 31. Humans and apes have \_\_\_\_\_\_ anatomical structures.
- *adj.* able to link the similarities or differences with others; similar or equivalent to someone or something

ANSWERS: 23. Polar, 24. headquarters, 25. unravel, 26. Technological, 27. photograph, 28. Depression, 29. volcanic, 30. exciting, 31. comparable

- 32. The scratches on the car \_\_\_\_\_ its otherwise perfect appearance.
  - v. to damage or spoil the appearance or surface of something
- 33. Jockey's superior \_\_\_\_\_ brought him victory.
- *n.* a particular way or art of doing something that needs skill
- 34. The human-crewed \_\_\_\_\_\_\_ successfully landed on the moon, fulfilling its mission.
- *n.* a vehicle designed to travel through space, typically carrying astronauts or scientific instruments
- 35. 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
- 36. The road's \_\_\_\_\_\_ was steep, making it challenging for cyclists.
- *n.* the degree or rate of incline or decline along a physical or abstract line; a gradual progression
- 37. The \_\_\_\_\_\_ surrounding the disappearance of the traveler has yet to be solved by authorities.
- *n.* something difficult to understand or explain; a secret or enigmatic quality that adds to the fascination or interest of something; a genre of fiction that involves the solution of a crime or a puzzle
- 38. The mountainous \_\_\_\_\_\_ was rough and rocky.
- *n*. the physical features of a piece of land, including hills, valleys, rivers, and forests
- 39. 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

ANSWERS: 32. marred, 33. technique, 34. spacecraft, 35. ancient, 36. gradient, 37. mystery, 38. terrain, 39. crust

- 40. She couldn't \_\_\_\_\_\_ whether to order the pizza or the pasta for dinner.
  - v. to make up someone's mind about something; to come to a conclusion or judgment after considering options
- 41. This training includes emergency escape drills with \_\_\_\_\_.
- *n*. a device used to slow the motion of people or objects through an atmosphere consisting of a large piece of thin cloth that is attached to them and opens out in the air
- 42. The surgeon removed the tumor using \_\_\_\_\_\_ video assistance.
- *adj.* of or relating to mechanical robots; (robotics) the interdisciplinary branch of computer science and engineering with the practical use of robots
- 43. Greed is the primary \_\_\_\_\_\_ in the making of criminals.
- *n.* one of the things used to make something, especially one of the foods used to make a particular dish
- 44. The spacecraft's \_\_\_\_\_\_ system helped it travel through space.
- *n.* the act or process of propelling or driving something forward, often using a motor, engine, or other mechanical means
- 45. The workers had to dig through solid rock to create the vehicular \_\_\_\_\_\_ allowing the cars to pass through the mountain.
- *n.* an underground or underwater passage, typically for trains or cars
- 46. The rocket engine is used to put the satellite into \_\_\_\_\_.
  - *n.* the path of an object around a celestial body, especially a planet, star, or moon, under the influence of gravity; (of medicine) the bony cavity in the skull that houses the eyeball and its associated structures, like muscles, nerves, and blood vessels

ANSWERS: 40. decide, 41. parachutes, 42. robotic, 43. ingredient, 44. propulsion, 45. tunnel, 46. orbit

- 47. The \_\_\_\_\_ on Mars is gathering data on the planet's surface and sending it back to Earth.
- *n.* a vehicle designed to travel over rough terrain, especially on the surface of a planet or moon
- 48. The ignition of \_\_\_\_\_ gas in the plant killed five employees.
- *n*. a chemical compound with the chemical formula CH4 with no smell or color, often used as a fuel
- 49. Global \_\_\_\_\_\_ plays a critical role in the formation of mountain ranges and the movement of Earth's crustal plates.
- *n.* the study of the processes that shape the Earth's surface, including the movements of tectonic plates, earthquakes, and volcanic activity
- 50. This weather pattern is unique to the southern \_\_\_\_\_.
- *n.* half of the terrestrial globe; half of a sphere
- 51. The \_\_\_\_\_\_ of the mountain made it difficult to breathe.
- *n*. the height of something above sea level or above the ground; the event of something being raised upward
- 52. The government \_\_\_\_\_\_ regulated the country's food and drug safety standards.
- *n.* an organization or business that is responsible for specific activities or services, especially when representing other organizations or businesses; the capacity or power to act or exert influence; the ability to make decisions and take action
- 53. The child was drawn to the \_\_\_\_\_\_ of the colorful toy display in the store.
  - *n.* the force that causes attraction or repulsion between magnetic substances; a charismatic or attractive quality that attracts people or causes them to be drawn to someone or something

ANSWERS: 47. rover, 48. methane, 49. tectonics, 50. hemisphere, 51. elevation, 52. agency, 53. magnetism

- 54. We must \_\_\_\_\_\_ a new system to streamline our workflow and increase efficiency.
  - v. to grow or expand; to improve or refine through a process of progress and refinement, often to achieve greater sophistication or complexity; to elaborate or add detail to something that is in the process of being created
- 55. The company is set to \_\_\_\_\_ its new product line next month.
- v. to send or propel something into the air or space using a device such as a rocket, missile, or spacecraft; to make something available or on sale for the first time
- 56. The sponge takes up the \_\_\_\_\_ well.
  - *n.* a substance, such as water or oil that flows freely and is neither a solid nor a gas
- 57. This radar quickly \_\_\_\_\_\_ the position of the enemy.
  - *v.* to locate or identify the exact position in space or time of something
- 58. Every human is responsible for taking care of the Earth's \_\_\_\_\_.
- *n.* the natural world such as air, water, and land in which humans, animals, and plants live
- 59. 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
- 60. I need to \_\_\_\_\_ most of the essay with feedback from my teacher.
  - *v.* to write something such as a book or speech again in a different way, usually to improve it or add new information

ANSWERS: 54. develop, 55. launch, 56. liquid, 57. pinpoints, 58. environment, 59. planet, 60. rewrite

- 61. The phone rang at the most \_\_\_\_\_\_ time.
- *adj.* suitable or happening at a time that is suitable or convenient for a particular purpose
- 62. I stopped by the branch though I have no business of \_\_\_\_\_\_.
- *n.* the quality of being important and worthy of note
- 63. The painter focused on the moody \_\_\_\_\_\_ of abandoned buildings in his work.
- *n.* the inside or inner part of something; the space within the walls of a building
- 64. Do you know the \_\_\_\_\_ of the population in Hong Kong?
- *n.* the quality of compactness of a substance
- 65. The two products \_\_\_\_\_\_ in their quality and price.
- v. to be not like someone or something in some way
- 66. The vehicle bounced along the \_\_\_\_\_ mountain road.
- *adj.* not quite exact or correct; having or caused by an irregular surface
- 67. It is essential to keep these two issues \_\_\_\_\_.
- *adj.* noticeable from something else of a similar type
- 68. The North \_\_\_\_\_ is the northernmost point on Earth.
- *n.* one of two antipodal points where the Earth's axis of rotation intersects the Earth's surface; a long, slender, rounded rod, typically of wood or metal, used as a support or to hang something
- 69. We largely \_\_\_\_\_\_ the circuit board of cell phones because they contain a lot of valuable metals.
  - *v.* to sort and collect things to process them and produce valuable materials that can be used again

ANSWERS: 61. opportune, 62. importance, 63. interiors, 64. density, 65. differed, 66. rough, 67. distinct, 68. Pole, 69. recycle

- 70. The mystery \_\_\_\_\_\_ as the detectives gathered more clues.
- *v.* to open up or spread out something that is folded or rolled up; to reveal or disclose something that was previously hidden or unknown
- 71. Despite their tragic loss, the family is showing great \_\_\_\_\_.
- *n*. the part of a person which is the seat of their mind, feelings, and character rather than their physical body; the general atmosphere of a place or situation and the effect that it has on people
- 72. We do move forward with those tasks in \_\_\_\_\_ next week.
- *n.* a series of related events, actions, numbers, etc., which have a particular order
- 73. The \_\_\_\_\_\_ index tracks the performance of multiple stocks in the same sector.
- *adj.* made up of different parts, elements, or substances; (noun) something made from two or more different substances
- 74. They study the \_\_\_\_\_ of the universe.
- *n.* a gradual process of transformation of living things
- 75. He has a flair for \_\_\_\_\_.
- *n.* the science dealing with the logic of quantities, shapes, spaces, and arrangement
- 76. This country \_\_\_\_\_\_ its weapons in the east region.
- *v.* to move troops or weapons into a position or military action; to bring into something in an effective way
- 77. He \_\_\_\_\_\_ the computer's operating system to remove the safeguard.
- *v.* to modify or recreate a program

ANSWERS: 70. unfolded, 71. spirit, 72. sequence, 73. composite, 74. evolution, 75. mathematics, 76. deployed, 77. reprogrammed

- 78. An enormous \_\_\_\_\_ marks the area where the vast volcanic explosion occurred.
- *n.* a huge bowl-shaped cavity in the earth or an object in space, usually created by an explosion or the impact of a meteorite
- 79. Enhanced rail \_\_\_\_\_\_ is crucial for our business.
- *n.* a system for moving people or products from one location to another using automobiles, roads, and so on
- 80. Parents often \_\_\_\_\_\_ their characteristics to their children.
  - v. to send or forward an electronic signal; to pass something from one person or thing to another
- 81. The island was formed by a \_\_\_\_\_ millions of years ago.
- *n.* a mountain or hill, typically conical, having a crater or vent through which lava, rock fragments, hot vapor, and gas are or have been erupted from the earth's crust.
- 82. The \_\_\_\_\_\_ asked various related questions about the land.
- *n.* an engineer who measures and records the details of areas of land

83. We store customer data in cloud \_\_\_\_\_.

- *n.* the act or process of putting in and keeping something in a particular place for use in the future; an electronic memory device that can store information
- 84. The \_\_\_\_\_\_ of the region is rugged, with many hills and valleys.
  - *n.* the arrangement and physical features of a particular area or region, including its natural and artificial elements and their relative positions and elevations; the study or description of this arrangement and these features

ANSWERS: 78. crater, 79. transportation, 80. transmit, 81. volcano, 82. surveyors, 83. storage, 84. topography

- 85. The graphic designer will \_\_\_\_\_\_ the logo over the image in the brochure.
  - v. to place, layer, or overlay one thing on top of another, typically in such a way that both are still visible; to add or combine something additional into an existing structure, design, or system
- 86. 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
- 87. He was pretty \_\_\_\_\_ to pass the exam.
- adj. having good luck or lucky
- 88. 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
- 89. He studied \_\_\_\_\_\_ in college and worked as an aerospace engineer.
- *n.* the science or art of designing, building, and flying aircraft
- 90. The antique \_\_\_\_\_ was worth thousands of dollars.
- *n*. a child's toy that typically represents a human figure, especially a young girl; an attractive woman; a woman who is subservient or passive
- 91. The \_\_\_\_\_\_ of Japan is known for its unique culture and advanced technology.
- *n.* a large organized community of people living in a particular country or region and having a particular culture
- 92. The younger \_\_\_\_\_\_ has different values and beliefs than the older one.
- *n.* all the people born and living at about the same time, regarded collectively; the production of heat or electricity

ANSWERS: 85. superimpose, 86. feat, 87. fortunate, 88. instrument, 89. aeronautics, 90. doll, 91. nation, 92. generation

- 93. He made a New Year's \_\_\_\_\_\_ to exercise more and eat healthier.
  - *n.* a firm decision or determination to do or not do something; the action of solving a problem, dispute, or conflict; the quality of being resolved or determined; the clarity and sharpness of an image or display
- 94. The \_\_\_\_\_ had received a mild snowfall the previous week.
- *n.* a long depression on the surface of the land, which typically contains a river
- 95. The captain announced that all passengers should be \_\_\_\_\_ the ferry before it departed for the island.
- *adv.* on or onto a ship, aircraft, or other vehicles; present or participating in a particular activity or endeavor
- 96. The new gym membership has improved his \_\_\_\_\_ and overall health.
- *n.* the state of being strong and active; energy
- 97. The MRI machine uses \_\_\_\_\_\_ to produce images of the body's internal organs.
- *n.* an object or substance that can attract certain materials, such as iron or steel
- 98. He stood on the \_\_\_\_\_ of a major discovery.
- *n.* the point at which something is about to happen or where something begins; the edge or margin of something, particularly a physical boundary or border
- 99. The detective found the clues \_\_\_\_\_ and couldn't solve the case immediately.
- *adj.* confusing or difficult to understand; mysterious
- 100. The \_\_\_\_\_\_ between the two countries was causing tension.
- *n.* the force that opposes motion between two objects in contact, especially by producing heat and wear, and is proportional to the normal force between the objects

ANSWERS: 93. resolution, 94. valley, 95. aboard, 96. vitality, 97. magnets, 98. verge, 99. puzzling, 100. friction

- 101. The general gave a \_\_\_\_\_\_ to his troops to prepare for battle.
- *n*. authority, control, or mastery over something, often referring to military or leadership contexts; a directive, order, or instruction; expertise or confidence in a specific area; (verb) to give an authoritative order or instruction, or to be in charge or control of something
- 102. The spacecraft will conduct a \_\_\_\_\_ of the moon to gather data.
- *n*. a close approach to a celestial body, especially a planet, by a spacecraft without landing or entering orbit
- 103. He was a visiting \_\_\_\_\_ professor at the University of Tokyo.
- *n.* a science that deals with the history of the earth as recorded in rocks
- 104. The \_\_\_\_\_\_ imaging camera was used to detect heat signatures in the dark.
- *adj.* relating to heat or temperature; designed for or capable of producing or maintaining heat
- 105. This year's \_\_\_\_\_ gathering will be held in Canada.
- *adj.* important and large in size, scope, or extent
- 106. The \_\_\_\_\_\_ view from the airplane showed the beautiful landscape below.
- *n.* a type of acrobatics or gymnastics performed while suspended from hanging fabric or rings; a pass or shot in sports (particularly in soccer or volleyball) that is made while the player is in the air
- 107. The bald eagle has an impressive \_\_\_\_\_ of over 7 feet.
  - *n.* the distance between the tips of a bird's wings when fully extended and in flight; often used to describe the size or scope of something, particularly about physical objects or structures

ANSWERS: 101. command, 102. flyby, 103. geology, 104. thermal, 105. grand, 106. aerial, 107. wingspan

- 108. The \_\_\_\_\_\_ will repair my telephone tomorrow morning.
- *n.* a person whose job is designing, building, or maintaining something such as machines, structures, or software
- 109. Her new documentary earned her an \_\_\_\_\_ Award.
- *n.* a school for special training; a type of official organization that aims to encourage and develop standards in its particular field
- 110. The company's new \_\_\_\_\_\_ project explores new ways to use renewable energy.
- *n.* a person or thing that leads the way or explores new territory; someone who finds or discovers a new route or method; a person or vehicle used to navigate or explore unfamiliar or dangerous areas
- 111. The spaceship began to burn up as it approached the Earth's \_\_\_\_\_\_.
- *n.* the mass of air that surrounds the Earth; the pervading tone or mood of a place, situation, or creative work
- 112. She \_\_\_\_\_\_ denounced the government's mishandling of the economic crisis.
- adv. in a manner accessible to or observable by the public; by the government
- 113. The \_\_\_\_\_\_ layers of the ocean are still largely unexplored.
- *adj.* situated or located beneath the surface of something; existing or occurring within the deeper layers of a material or object, often referring to areas below the Earth's surface
- 114. Where can I \_\_\_\_\_ the application form?
- *v.* to get something, especially by making a great effort
- 115. Our company \_\_\_\_\_\_ to the school endowment fund every year.
- *v.* to give money, food, clothes, etc. to help a person or organization

ANSWERS: 108. engineer, 109. Academy, 110. pathfinder, 111. atmosphere, 112. publicly, 113. subsurface, 114. obtain, 115. donates

- 116. Many of the lakes and marshes in the \_\_\_\_\_ are mildly salty.
- *n.* a natural depression or valley that is circular or oval on the surface of the earth, especially one that has water in it; a container with a bowl form that is typically used to hold food or liquids
- 117. The satellite \_\_\_\_\_\_ slowly ascended into the sky.
- *n.* a small bag made of thin rubber or other light material that can be inflated with air or gas, used as a toy or as a decoration; (verb) to become inflated
- 118. The novel's plot was \_\_\_\_\_\_ and kept readers in their seats.
- *adj.* arousing curiosity or interest, often due to a mysterious or complex quality; fascinating or captivating
- 119. It is a basic instinct to \_\_\_\_\_ from a dangerous situation.
- v. to leave by running away, especially out of fear or danger
- 120. We had to take a \_\_\_\_\_\_ flight because no direct flights were available.
  - *adj.* relating to or taking place across the open country rather than on roads or tracks; involving travel by foot, horse, or vehicle over rough terrain or through wilderness areas; (noun) a long-distance race or journey that takes place over rough or varied terrain, such as hills, forests, or fields
- 121. We \_\_\_\_\_ a cease-fire.
- *v*. to come to an end or close; to reach a judgment or opinion by reasoning
- 122. The fragrance of flowers \_\_\_\_\_\_ from the garden.
- *v.* to emit, send out something; to express a quality or feeling
- 123. The bird had a beautiful \_\_\_\_\_ on its head.
- *n.* a large feather or group of feathers worn as an ornament or a symbol of achievement or distinction, especially on a hat

ANSWERS: 116. basin, 117. balloon, 118. intriguing, 119. flee, 120. cross-country, 121. concluded, 122. emanated, 123. plume

- 124. 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
- 125. The \_\_\_\_\_\_ of the ice age have shaped Fjord.
- *n.* a slowly moving mass of ice formed from snow on mountains or near the North Pole or the South Pole
- 126. 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
- 127. The guest speaker was given an \_\_\_\_\_\_ for delivering an insightful lecture.
- *n.* a payment or fee given to someone, typically for professional services, that is not officially required or a standard salary, often given as a token of appreciation or to show respect
- 128. The unique style of this martial arts \_\_\_\_\_ many action film producers.
- *v.* to make somebody fill with the desire, confidence, or enthusiasm, especially to do something creative
- 129. A local artist created the \_\_\_\_\_ sculpture in the park.
- *n.* a mythical bird that is said to live for several hundred years before dying in flames and then rising again from its ashes; a symbol of rebirth, regeneration, or immortality
- 130. That adventurer traveled in \_\_\_\_\_ of buried treasure.
- *n.* a long or challenging search for something
- 131. Draw a circle five centimeters in \_\_\_\_\_.
- *n.* the length of a straight line passing through the center of a circle and connecting two points on the circumference

ANSWERS: 124. helium-filled, 125. glaciers, 126. invite, 127. honorarium, 128. inspired, 129. phoenix, 130. quest, 131. diameter

- 132. The \_\_\_\_\_\_ error of this industrial machine is less than one micrometer.
- *n.* the act or process of finding something's size, quantity, or degree
- 133. There are various hypotheses concerning the \_\_\_\_\_ of life.
- *n.* the first existence or beginning of something
- 134. The spacecraft had a successful \_\_\_\_\_ launching into the atmosphere.
- *n.* the moment when a spacecraft or other vehicle takes off and lifts off the ground; the act or process of launching or beginning an endeavor
- 135. \_\_\_\_\_ panels have greatly improved not only in performance but also in durability.
- adj. of, from, or relating to the sun
- 136. He continued the extraordinary \_\_\_\_\_ with his brother.
- *n*. a long wandering and eventful journey; a Greek epic poem attributed to Homer, describing the journey of Odysseus after the fall of Troy
- 137. The physician is reading the \_\_\_\_\_ related to medicine
- *n.* a newspaper or magazine specialized in a specific topic or profession
- 138. The newspaper published an \_\_\_\_\_\_ on the current state of the economy.
- adj. relating to the expression of opinions or interpretations in the media
- 139. The path to a solid online \_\_\_\_\_\_ necessitates a high technical ability.
- *n.* the fact or state that someone or something exists, occurs, or is present
- 140. The experienced \_\_\_\_\_\_ guided the ship through treacherous waters.
- *n.* a sailor or seaman; someone who works or travels on a boat or ship

ANSWERS: 132. measurement, 133. origin, 134. liftoff, 135. Solar, 136. odyssey, 137. journals, 138. editorial, 139. presence, 140. mariner

- 141. Graduating from college was a major \_\_\_\_\_\_ for her.
- *n.* the successful completion of a task or goal; an ability that has been acquired by training

ANSWERS: 141. accomplishment