# **Englist.me**

## Vocabulary Builder Reference from...

Lieven Scheire: How quantum mechanics explains global warming | TED Talk https://www.ted.com/talks/lieven\_scheire\_how\_quant um\_mechanics\_explains\_global\_warming



## All Words

#### IMPORTANT

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## Session 1: Word List

carbon	<ul> <li>a chemical element that can be found in pure form as diamond or graphite, and it is also an essential part of coal and oil and is found in all plants and animals</li> </ul>
	(1) carbon dioxide, (2) carbon emission
	Trees absorb <b>carbon</b> dioxide and give off oxygen.
oxide	<i>n.</i> a chemical compound that contains at least one oxygen atom and one other element
	(1) silver <b>oxide</b> , (2) combined <b>oxide</b>
	The blood's red coloring comes from iron <b>oxide</b> .
greenhouse	<ul> <li><i>n</i>. a building with walls and roof made chiefly of transparent material, such as glass, for growing plants in <i>synonym</i>: conservatory</li> </ul>
	(1) exotic plants in a <b>greenhouse</b> , (2) emissions of <b>greenhouse</b> gases
	The <b>greenhouse</b> effect is a phenomenon that happens naturally.
insulate	<ul> <li>v. to protect something by interposing material that prevents heat, noise, electricity, etc.</li> <li>synonym: isolate, protect, seclude</li> </ul>
	(1) <b>insulate</b> the room from sound, (2) <b>insulate</b> electricity

	We had our bedroom insulated before winter came.
blanket	<ul> <li>n. a large piece of soft material used to cover or wrap a person or thing to keep them warm; (adjective) broad in scope or content</li> <li>synonym: cover, coverlet, bedspread</li> </ul>
	(1) <b>blanket</b> authority, (2) <b>blanket</b> scarf
	The electric <b>blanket</b> keeps me warm on cold nights.
entirely	adv. completely synonym: completely, fully, totally
	(1) <b>entirely</b> satisfied with the meal, (2) he was <b>entirely</b> to blame
	Later, his claim was found to be <b>entirely</b> false.
involve	<ul> <li>v. to include or affect someone or something as a necessary part of something else</li> <li>synonym: implicate, include, engage</li> </ul>
	(1) <b>involve</b> a lot of paperwork, (2) <b>involve</b> a high degree of risk
	The investigation <b>involves</b> several government agencies and is expected to take several months.
quantum	n. the smallest amount or unit of something, especially (electromagnetic) energy
	(1) probabilistic <b>quantum</b> theory, (2) laws of <b>quantum</b> mechanics
	Big techs are now eager to develop <b>quantum</b> computers.
mechanics	<ul> <li>n. the branch of physics that deals with the study of motion, forces, and energy; (mechanic) someone whose occupation is repairing and maintaining automobiles</li> <li>synonym: kinematics, dynamics</li> </ul>
	(1) mechanics equation, (2) mechanics of the game
	He studied <b>mechanics</b> in college and now works as an engineer.

rainbow	<ul> <li><i>n</i>. an arch of colors in the sky caused by the refraction and dispersion of sunlight through rain</li> <li><i>synonym</i>: spectrum, iridescence, prism</li> </ul>
	(1) marine <b>rainbow</b> , (2) <b>rainbow</b> after a storm
	She was mesmerized by the <b>rainbow's</b> colors.
	one was meanenzed by the rambow 5 colors.
sunlight	<ul><li>n. the light emitted by the sun; the rays of the sun</li><li>synonym: daylight, rays, sunshine</li></ul>
	(1) a glare of <b>sunlight</b> , (2) in direct <b>sunlight</b>
	Radiation from <b>sunlight</b> has a different wavelength.
separate	<i>v.</i> to force, take, or pull apart; mark as different <i>synonym</i> : disunite, isolate, ramify
	(1) <b>separate</b> video into chapter, (2) <b>separate</b> cream from milk
	We need to <b>separate</b> the aspect of his personality from the
	part of his competence when making an investment decision.
prism	<ul> <li><i>n</i>. a three-dimensional object with a triangular base and parallel sides, which refracts (= to bend something) light that passes through it, resulting in the separation and display of the colors of the visible spectrum; a metaphorical term used to describe a situation that reveals or illuminates various aspects or perspectives of a particular phenomenon or topic</li> <li><i>synonym</i>: crystal, polyhedron</li> </ul>
	(1) <b>prism</b> spectrometer, (2) a <b>prism</b> of viewpoints
	The scientist used an optical <b>prism</b> to analyze the dispersion
	of light in the laboratory experiment.
gap	<ul> <li>n. 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 gap.

absorb	<ul> <li>v. to take in a fluid or other substance gradually</li> <li>synonym: consume, soak, ingest</li> </ul>
	(1) absorb energy, (2) absorb a shock
	The sponge <b>absorbs</b> water well.
specific	<ul> <li>adj. clearly defined or particular to a certain thing or situation; distinct, explicit, and precise</li> <li>synonym: particular, definite, distinct</li> </ul>
	(1) <b>specific</b> instructions, (2) industry- <b>specific</b> regulations
	The scientist conducted a study that provided <b>specific</b> details about the species' behavior.
spectrum	n. an ordered array of colors into which a light beam can be split
	synonym: range, scale, spread
	(1) a broad <b>spectrum</b> of opinion, (2) infrared <b>spectrum</b>
	This device displayed the speech <b>spectrum</b> spectrographically.
oxygen	<ul> <li>n. the chemical element with the symbol O that is present in air and water and is necessary for people, animals, and plants to live</li> </ul>
	<ol> <li>the hydrogen binds the oxygen, (2) lack of oxygen</li> <li>The passenger grabbed for the oxygen mask.</li> </ol>
snatch	<i>v.</i> to take or grab something suddenly or quickly <i>synonym</i> : grab, seize, capture
	<ul> <li>(1) snatch a hasty meal, (2) snatch up her purse</li> <li>He snatches victory from the jaws of defeat in the game's final seconds.</li> </ul>
sodium	<ul> <li>n. a metallic element that is the most common alkali metal and is used in the production of many chemicals, including soap, glass, and paper</li> <li>synonym: Na, salt, alkali</li> </ul>
	(1) reduce my <b>sodium</b> intake, (2) <b>sodium</b> bicarbonate

	High levels of <b>sodium</b> in the diet can increase the risk of developing high blood pressure.
grab	<ul> <li>v. to take hold of something or someone suddenly with a hand, especially in a violent way</li> <li>synonym: clutch, snatch, grasp</li> </ul>
	<ul><li>(1) grab an audience, (2) grab an opportunity</li><li>Shall we grab a bite to eat?</li></ul>
realm	<i>n.</i> a domain of activity, interest, or knowledge <i>synonym</i> : domain, empire, kingdom
	<ol> <li>public realm, (2) beyond the realm of possibility</li> <li>Her passions are in the realm of real-world political affairs.</li> </ol>
atom	<ul> <li>n. the smallest unit of ordinary matter that forms a chemical element, composed of a nucleus and one or more electrons bound to the nucleus</li> <li>synonym: particle, element, fraction</li> </ul>
	<ul> <li>(1) oxygen atom, (2) neutral hydrogen atoms</li> <li>The outermost electron shell of an atom determines its chemical characteristics.</li> </ul>
molecule	<ul> <li>n. a group of two or more atoms held together by attractive forces known as chemical bonds</li> <li>synonym: particle, element, atom</li> </ul>
	(1) small <b>molecules</b> , (2) <b>molecule</b> behavior The shape of the DNA <b>molecule</b> is a double helix.
electron	<i>n.</i> a tiny particle with the negative electrical charge <i>synonym</i> : negatron
	<ul> <li>(1) flow of electrons, (2) beam of electrons</li> <li>The outermost electron shell determines the chemical properties of an atom.</li> </ul>
shift	<i>n.</i> a slight transition in position, direction, or trend <i>synonym</i> : transition, change, modification

	<ul><li>(1) Doppler <b>shift</b>, (2) major paradigm <b>shift</b></li><li>Could you help me <b>shift</b> some furniture?</li></ul>
consist	<ul> <li>v. to be composed or made up of synonym: lie in, comprise, exist</li> <li>(1) consist mainly of cells, (2) consist only in knowing facts</li> <li>This examination consists of five problems to solve.</li> </ul>
particle	<ul> <li>a small piece of something; a word or piece of a term with grammatical function but little or no significance</li> <li>synonym: atom, grain, bit</li> </ul>
	(1) charged <b>particle</b> , (2) <b>particle</b> energy
	We can calculate the position of the <b>particles</b> statistically.
photon	<ul> <li>a unit or quantum of electromagnetic energy, typically regarded as a particle that is the basic constituent of all light and other forms of electromagnetic radiation</li> <li>synonym: particle, quantum, light</li> </ul>
	(1) photon emission, (2) photon energy
	Infrared cameras detect <b>photons</b> in the infrared range of the electromagnetic spectrum.
correspond	<ul> <li>v. to match or be similar to something else almost exactly; to exchange messages</li> <li>synonym: match, equate, communicate</li> </ul>
	(1) <b>correspond</b> to a standard, (2) <b>correspond</b> with a foreign student
	The numbers on the sign <b>correspond</b> to points on the map.
wavelength	<i>n.</i> the distance between two points in the same phase in consecutive cycles of a wave
	(1) wavelength of light, (2) long- wavelength laser
	White color is made up of many different <b>wavelengths</b> of light.

purple	adj. of a color intermediate between red and blue synonym: violet
	(1) deep <b>purple</b> , (2) <b>purple</b> sweet potatoes
	The plant has a stunning <b>purple</b> blossom.
disappear	<ul><li>v. to cease to exist or be visible</li><li>synonym: fade, evaporate, vanish</li></ul>
	(1) <b>disappear</b> without a trace, (2) <b>disappear</b> after a week
	They watched the train <b>disappear</b> into the distance.
transparent	<ul> <li>adj. easy to perceive, detect, or understand; (of a material or article) permitting light to pass through freely</li> <li>synonym: translucent, evident, diaphanous</li> </ul>
	(1) a transparent lie, (2) transparent crystal
	The focus of these initiatives is to make the financial system more <b>transparent</b> .
visible	<i>adj.</i> capable of being seen; or open to easy view <i>synonym</i> : clear, observable, seeable
	(1) <b>visible</b> stars, (2) <b>visible</b> by X-ray
	My home is easily <b>visible</b> from the shore.
prefer	v. to like, choose, or want one thing or person better than another
	synonym: choose, like, favor
	(1) <b>prefer</b> physics to chemistry, (2) <b>prefer</b> a window seat
	The birds <b>prefer</b> open water areas with reeds around them.
celestial	adj. relating to the sky or the heavens; of or like the sky or the heavens
	synonym: heavenly, divine, ethereal
	(1) celestial bliss, (2) celestial navigation
	The <b>celestial</b> bodies in the night sky were beautiful to behold.
emit	<ul> <li>v. to give off or send out something such as light, heat, sound, gas, etc.</li> <li>synonym:</li> </ul>

give off, radiate, expel

	(1) emit a gamma ray, (2) emit air pollution During the unloading, the container box emits a clicking sound.
planet	<ul> <li>any of the nine large celestial bodies that circle in the solar system; any celestial body that revolves around a star</li> </ul>
	synonym: earth, world, globe
	(1) <b>planet</b> like the Earth, (2) save the <b>planet</b>
	Mercury is the closest <b>planet</b> to the sun.
glowing	<i>adj.</i> highly enthusiastic; greatly praised <i>synonym</i> : burning, bright, flaming
	(1) glowing reviews, (2) glowing cheeks
	The western sky was <b>glowing</b> pink.
infrared	<i>adj.</i> relating to or denoting electromagnetic radiation with a wavelength just longer than that of red light but shorter than that of microwave radiation, used for sensing heat and for remote control
	synonym: thermal, warm, radiant
	(1) an <b>infrared</b> lamp, (2) <b>infrared</b> radiation
	The <b>infrared</b> camera revealed a hidden image on the
	surface.
electromagnetic	<i>adj.</i> of or relating to the magnetism produced by electric charge in motion
	(1) <b>electromagnetic</b> radiation, (2) <b>electromagnetic</b> properties
	His hypothesis concerns the role of an <b>electromagnetic</b> field in human health.
radiation	<ul> <li>n. the energy that comes from a nuclear reaction in the form of rays, waves, or particles and that can be hazardous to health</li> </ul>
	synonym: dissemination, emission, irradiation

(1) exposure to <b>radiation</b> ,	(2) electromagnetic radiation
He tried every possible trea	atment, including chemotherapy
and radiation therapy.	

microwave	<ul> <li>n. a form of electromagnetic radiation with wavelengths ranging from about one millimeter to one meter and frequencies between 300 MHz (0.3 GHz) and 300 GHz; an electric oven that cooks food by exposing it to high-frequency electromagnetic radiation, which causes the food molecules to vibrate and heat up quickly</li> <li>synonym: oven, waveguide, radar range</li> </ul>
	(1) microwave radiation, (2) microwave popcorn
	I heated my leftover food in the <b>microwave</b> oven, which tasted just as good as freshly cooked.
ultraviolet	<ul><li>adj. relating to or occupying the part of the spectrum beyond the violet end, especially radiation</li><li>synonym: black light, UV light, invisible light</li></ul>
	(1) ultraviolet protection, (2) ultraviolet light
	Ultraviolet radiation can cause skin damage if one is
	exposed for too long.
X-ray	<ul> <li>n. a type of electromagnetic radiation that has a wavelength shorter than visible light allowing hidden objects such as bones and organs inside the body to be photographed</li> </ul>
	synonym: roentgenogram, photon radiography
	(1) X-ray scan, (2) an X-ray of arteries
	The doctor ordered an X-ray to see if there was any damage
	to the bones.
gamma	<ul> <li>n. the third letter of the Greek alphabet; a type of radiation having the shortest wavelength and highest energy of electromagnetic waves</li> <li>synonym: ray, radiation, emission</li> </ul>
	(1) gamma radiation, (2) gamma particles
	Gamma rays are a type of high-energy radiation that can be

harmful to living organisms.

ray	<i>n.</i> a narrow line of light, heat, or another form of energy <i>synonym</i> : beam, light, glimmer
	(1) opaque to X- rays, (2) effect of cosmic rays
	Gamma <b>rays</b> penetrate body tissues and cause cell damage.
fundamental	<ul><li><i>adj.</i> forming an essential base or core from which everything else develops or is affected</li><li><i>synonym</i>: basic, essential, entire</li></ul>
	(1) fundamental education, (2) fundamental rights
	Human behavior has fundamental characteristics.
presumptuous	<ul><li><i>adj.</i> excessively bold or forward; taking liberties beyond what is appropriate or socially acceptable</li><li><i>synonym</i>: arrogant, overconfident, presuming</li></ul>
	(1) presumptuous behavior, (2) presumptuous attitude
	It was <b>presumptuous</b> of him to assume he would be hired
	for the job without submitting a resume.
define	<ul> <li>v. to state or explain precisely the nature, scope, or meaning of something</li> </ul>
	synonym: characterize, depict, express
	(1) <b>define</b> a word, (2) <b>define</b> my position
	To advance this discussion, we must <b>define</b> "success"
	rigorously.
adapt	<ul> <li>v. to make fit for or change to suit a new purpose or environment</li> </ul>
	synonym: adjust, acclimate, accustom
	(1) adapt fully to the environment, (2) adapt as needed
	I advised him to <b>adapt</b> to his new surroundings.
hertz	<ul> <li>n. the unit of frequency, equal to one cycle per second, often used to describe the frequency of electromagnetic waves or electronic signals</li> <li>synonym: frequency, cycles per second</li> </ul>
	synonym. Hoquerioy, eyelee per second

	(1) audio <b>hertz</b> , (2) tera- <b>hertz</b> radiation The human ear can detect sounds with frequencies ranging from 20 to 20,000 <b>hertz</b> .
flashlight	<ul> <li><i>n</i>. a portable electric light with a handle and a switch that can be turned on and off</li> <li><i>synonym</i>: torch, lamp, beacon</li> </ul>
	<ul><li>(1) flashlight beam, (2) flashlight batteries</li><li>He used a backup flashlight to find his way through the dark cave.</li></ul>
tower	<ul> <li><i>n</i>. a structure that is exceptionally high in proportion to its width and either forms part of a building or stands alone <i>synonym</i>: building, belfry, edifice</li> </ul>
	(1) a bell <b>tower</b> , (2) the <b>tower</b> on a cliff
	She is a <b>tower</b> of strength for our team in trouble.
lantern	<ul> <li><i>n</i>. a portable source of lighting, typically featuring a protective enclosure for the light source</li> <li><i>synonym</i>: lamp, beacon, flashlight</li> </ul>
	(1) candle lantern, (2) a lantern in the dark
	The paper-covered lantern glowed softly in the darkness.
temperature	<i>n.</i> the degree of hotness or coldness of a thing or place <i>synonym</i> : climate, warmth, degree
	(1) extreme <b>temperatures</b> , (2) the atmospheric <b>temperature</b>
	Cities around the world set records for highest <b>temperatures</b> this summer.
absolute	<i>adj.</i> perfect or complete or to the most considerable degree possible
	synonym: complete, infrangible, indisputable
	(1) absolute loyalty, (2) an absolute must
	Gandhi had an <b>absolute</b> zeal for nonviolence.

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.				
frequency	<ul> <li>an ordered array of colors into which a light beam can be split</li> </ul>				
	synonym: recurrence, repetition, regularity				
	(1) <b>frequency</b> band, (2) high <b>frequency</b>				
	The oscillator hunts for the correct <b>frequency</b> .				
degree	<ul> <li>n. a unit of measurement for angles, temperature, or level of proficiency or achievement; a rank or level of academic or professional attainment</li> <li>synonym: level, qualification, diploma</li> </ul>				
	(1) bachelor's <b>degree</b> , (2) <b>degree</b> centigrade				
	She received her <b>degree</b> in psychology from the university.				
glow	<ul><li>v. to give out a steady, strong light</li><li>synonym: shine, radiate, beam</li></ul>				
	<ol> <li>(1) glow a pale orange, (2) glow gold in the light</li> <li>The sun was setting, and the sky glowed with beautiful colors.</li> </ol>				
tradition	<ul> <li>a belief, custom, or way of doing something that has been passed down from generation to generation within a group or society</li> </ul>				
	synonym: custom, practice, ritual				
	<ul> <li>(1) a tradition of a culture, (2) against tradition</li> <li>It is a tradition in many families to have a big Thanksgiving dinner with all their relatives.</li> </ul>				
bulb	<i>n.</i> a rounded underground storage organ of some plants from which the plant grows; the rounded part of a cylindrical structure; electric lamp consisting of a glass				

	ball
	(1) wet- <b>bulb</b> thermometer, (2) a lily <b>bulb</b>
	The light <b>bulb</b> has burned out.
wasteful	<ul> <li>adj. characterized by excessive or unnecessary use or consumption; using resources or materials inefficiently or inappropriately, resulting in unnecessary waste or expense</li> <li>synonym: uneconomical, extravagant, profligate</li> </ul>
	(1) <b>wasteful</b> practices, (2) <b>wasteful</b> habits
	Buying new clothes every week is a <b>wasteful</b> use of money
	and resources.
invisible	<i>adj.</i> impossible or nearly impossible to see <i>synonym</i> : hidden, imperceptible, unseen
	(1) an <b>invisible</b> asset, (2) <b>invisible</b> stars
	The phenomenon is <b>invisible</b> at optical wavelengths.
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 began to burn up as it approached the Earth's <b>atmosphere</b> .
spit	<i>v.</i> to eject saliva or other liquid from the mouth <i>synonym</i> : expectorate, saliva, spew
	(1) <b>spit</b> a bullet, (2) <b>spit</b> a mouthful of saliva
	She tried to <b>spit</b> out the gum that she had been chewing.
random	<ul> <li>adj. made, done, or happening without method, conscious decision, or any regular pattern</li> <li>synonym: incidental, arbitrary, unanticipated</li> </ul>
	(1) a <b>random</b> choice, (2) bombs fell at <b>random</b>
	To find drunk drivers, police conduct <b>random</b> tests.

### climate

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

synonym: atmosphere, weather, environment

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

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

# **Session 2: Spelling**

1.	a prm of viewpoints	n.	a three-dimensional object with a triangular base and parallel sides, which refracts (= to bend something) light that passes through it, resulting in the separation and display of the colors of the visible spectrum; a metaphorical term used to describe a situation that reveals or illuminates various aspects or perspectives of a particular phenomenon or topic
2.	cot mainly of cells	<i>v</i> .	to be composed or made up of
3.	cornd to a standard	v.	to match or be similar to something else almost exactly; to exchange messages
4.	in direct suht	n.	the light emitted by the sun; the rays of the sun
5.	vie by X-ray	adj.	capable of being seen; or open to easy view
6.	inte electricity	v.	to protect something by interposing material that prevents heat, noise, electricity, etc.
7.	a tron of a culture	n.	a belief, custom, or way of doing something that has been passed down from generation to generation within a group or society
8.	an ined lamp	adj.	relating to or denoting electromagnetic radiation with a wavelength just longer than that of red light but shorter than that of microwave radiation, used for sensing heat and for remote control

ANSWERS: 1. prism, 2. consist, 3. correspond, 4. sunlight, 5. visible, 6. insulate, 7. tradition, 8. infrared

9.	a cold cle	n.	the weather in a particular location averaged over some long period
10.	phn emission	n.	a unit or quantum of electromagnetic energy, typically regarded as a particle that is the basic constituent of all light and other forms of electromagnetic radiation
11.	effect of cosmic r_ys	n.	a narrow line of light, heat, or another form of energy
12.	high frcy	n.	an ordered array of colors into which a light beam can be split
13.	ultet light	adj.	relating to or occupying the part of the spectrum beyond the violet end, especially radiation
14.	spic instructions	adj.	clearly defined or particular to a certain thing or situation; distinct, explicit, and precise
15.	prr physics to chemistry	<i>v</i> .	to like, choose, or want one thing or person better than another
16.	a broad spum of opinion	n.	an ordered array of colors into which a light beam can be split
17.	flaht batteries	n.	a portable electric light with a handle and a switch that can be turned on and off
18.	abte loyalty	adj.	perfect or complete or to the most considerable degree possible
19.	sete cream from milk	v.	to force, take, or pull apart; mark as different
20.	adt fully to the environment	<i>v</i> .	to make fit for or change to suit a new purpose or environment

ANSWERS: 9. climate, 10. photon, 11. ray, 12. frequency, 13. ultraviolet, 14. specific, 15. prefer, 16. spectrum, 17. flashlight, 18. absolute, 19. separate, 20. adapt

21. dee a word	v.	to state or explain precisely the nature, scope, or meaning of something
22. flow of elons	n.	a tiny particle with the negative electrical charge
23. a lan in the dark	n.	a portable source of lighting, typically featuring a protective enclosure for the light source
24. an Xy of arteries	n.	a type of electromagnetic radiation that has a wavelength shorter than visible light allowing hidden objects such as bones and organs inside the body to be photographed
25. bachelor's dee	n.	a unit of measurement for angles, temperature, or level of proficiency or achievement; a rank or level of academic or professional attainment
26. cornd with a foreign student	ν.	to match or be similar to something else almost exactly; to exchange messages
27. candle lan	n.	a portable source of lighting, typically featuring a protective enclosure for the light source
28. the g_p between ideal and reality	n.	a conspicuous disparity or difference separates something such as a figure, people, their opinions, situation, etc.
29. enly satisfied with the meal	adv	. completely
30. abb energy	v.	to take in a fluid or other substance gradually
31. inte the room from sound	v.	to protect something by interposing material that prevents heat, noise, electricity, etc.

ANSWERS: 21. define, 22. electron, 23. lantern, 24. X-ray, 25. degree, 26. correspond, 27. lantern, 28. gap, 29. entirely, 30. absorb, 31. insulate

32. a convivial atmre	n.	the mass of air that surrounds the Earth; the pervading tone or mood of a place, situation, or creative work
33. beam of elons	n.	a tiny particle with the negative electrical charge
34. gaa particles	n.	the third letter of the Greek alphabet; a type of radiation having the shortest wavelength and highest energy of electromagnetic waves
35. vie stars	adj.	capable of being seen; or open to easy view
36. funal education	adj.	forming an essential base or core from which everything else develops or is affected
37. trant crystal	adj.	easy to perceive, detect, or understand; (of a material or article) permitting light to pass through freely
38. extreme temres	n.	the degree of hotness or coldness of a thing or place
39. the tor on a cliff	n.	a structure that is exceptionally high in proportion to its width and either forms part of a building or stands alone
40. blt scarf	n.	a large piece of soft material used to cover or wrap a person or thing to keep them warm; (adjective) broad in scope or content
41. ceal navigation	adj.	relating to the sky or the heavens; of or like the sky or the heavens
42. an abte must	adj.	perfect or complete or to the most considerable degree possible

ANSWERS: 32. atmosphere, 33. electron, 34. gamma, 35. visible, 36. fundamental, 37. transparent, 38. temperature, 39. tower, 40. blanket, 41. celestial, 42. absolute

43.	the hydrogen binds the oxn	n.	the chemical element with the symbol O that is present in air and water and is necessary for people, animals, and plants to live
44.	combined oxe	n.	a chemical compound that contains at least one oxygen atom and one other element
45.	mecs equation	n.	the branch of physics that deals with the study of motion, forces, and energy; (mechanic) someone whose occupation is repairing and maintaining automobiles
46.	probabilistic qum theory	n.	the smallest amount or unit of something, especially (electromagnetic) energy
47.	mecs of the game	n.	the branch of physics that deals with the study of motion, forces, and energy; (mechanic) someone whose occupation is repairing and maintaining automobiles
48.	small moles	n.	a group of two or more atoms held together by attractive forces known as chemical bonds
49.	bombs fell at ram	adj.	made, done, or happening without method, conscious decision, or any regular pattern
50.	distance g_p	n.	a conspicuous disparity or difference separates something such as a figure, people, their opinions, situation, etc.
51.	marine raw	n.	an arch of colors in the sky caused by the refraction and dispersion of sunlight through rain

ANSWERS: 43. oxygen, 44. oxide, 45. mechanics, 46. quantum, 47. mechanics, 48. molecule, 49. random, 50. gap, 51. rainbow

52. sete video into chapter	v.	to force, take, or pull apart; mark as different
53. charged pale	n.	a small piece of something; a word or piece of a term with grammatical function but little or no significance
54. eletic radiation	adj.	of or relating to the magnetism produced by electric charge in motion
55. exotic plants in a grese	n.	a building with walls and roof made chiefly of transparent material, such as glass, for growing plants in
56. wavth of light	n.	the distance between two points in the same phase in consecutive cycles of a wave
57. 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
58. public rem	n.	a domain of activity, interest, or knowledge
59. gb an opportunity	v.	to take hold of something or someone suddenly with a hand, especially in a violent way
60. diar without a trace	ν.	to cease to exist or be visible
61. electromagnetic raon	n.	the energy that comes from a nuclear reaction in the form of rays, waves, or particles and that can be hazardous to health
62. an inle asset	adj.	impossible or nearly impossible to see

ANSWERS: 52. separate, 53. particle, 54. electromagnetic, 55. greenhouse, 56. wavelength, 57. planet, 58. realm, 59. grab, 60. disappear, 61. radiation, 62. invisible

63. can dioxide	n.	a chemical element that can be found in pure form as diamond or graphite, and it is also an essential part of coal and oil and is found in all plants and animals
64. thl insulation	adj.	relating to heat or temperature; designed for or capable of producing or maintaining heat
65. mive radiation	n.	a form of electromagnetic radiation with wavelengths ranging from about one millimeter to one meter and frequencies between 300 MHz (0.3 GHz) and 300 GHz; an electric oven that cooks food by exposing it to high-frequency electromagnetic radiation, which causes the food molecules to vibrate and heat up quickly
66. a lily bb	n.	a rounded underground storage organ of some plants from which the plant grows; the rounded part of a cylindrical structure; electric lamp consisting of a glass ball
67. can emission	n.	a chemical element that can be found in pure form as diamond or graphite, and it is also an essential part of coal and oil and is found in all plants and animals
68. glg reviews	adj.	highly enthusiastic; greatly praised
69. 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
70. raw after a storm	n.	an arch of colors in the sky caused by the refraction and dispersion of sunlight through rain

ANSWERS: 63. carbon, 64. thermal, 65. microwave, 66. bulb, 67. carbon, 68. glowing, 69. atmosphere, 70. rainbow

71.	lack of oxn	n.	the chemical element with the symbol O that is present in air and water and is necessary for people, animals, and plants to live
72.	exposure to raon	n.	the energy that comes from a nuclear reaction in the form of rays, waves, or particles and that can be hazardous to health
73.	laws of qum mechanics	n.	the smallest amount or unit of something, especially (electromagnetic) energy
74.	Xy scan	n.	a type of electromagnetic radiation that has a wavelength shorter than visible light allowing hidden objects such as bones and organs inside the body to be photographed
75.	pue sweet potatoes	adj.	of a color intermediate between red and blue
76.	long-wavth laser	n.	the distance between two points in the same phase in consecutive cycles of a wave
77.	prr a window seat	v.	to like, choose, or want one thing or person better than another
78.	emissions of grese gases	n.	a building with walls and roof made chiefly of transparent material, such as glass, for growing plants in
79.	ceal bliss	adj.	relating to the sky or the heavens; of or like the sky or the heavens
80.	neutral hydrogen ams	n.	the smallest unit of ordinary matter that forms a chemical element, composed of a nucleus and one or more electrons bound to the nucleus

ANSWERS: 71. oxygen, 72. radiation, 73. quantum, 74. X-ray, 75. purple, 76. wavelength, 77. prefer, 78. greenhouse, 79. celestial, 80. atom

81.	phn energy	n.	a unit or quantum of electromagnetic energy, typically regarded as a particle that is the basic constituent of all light and other forms of electromagnetic radiation
82.	deep pue	adj.	of a color intermediate between red and blue
83.	silver oxe	n.	a chemical compound that contains at least one oxygen atom and one other element
84.	a bell tor	n.	a structure that is exceptionally high in proportion to its width and either forms part of a building or stands alone
85.	frcy band	n.	an ordered array of colors into which a light beam can be split
86.	ultet protection	adj.	relating to or occupying the part of the spectrum beyond the violet end, especially radiation
87.	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
88.	gb an audience	v.	to take hold of something or someone suddenly with a hand, especially in a violent way
89.	oxygen am	n.	the smallest unit of ordinary matter that forms a chemical element, composed of a nucleus and one or more electrons bound to the nucleus

ANSWERS: 81. photon, 82. purple, 83. oxide, 84. tower, 85. frequency, 86. ultraviolet, 87. planet, 88. grab, 89. atom

90.	pale energy	n.	a small piece of something; a word or piece of a term with grammatical function but little or no significance
91.	wet-bb thermometer	n.	a rounded underground storage organ of some plants from which the plant grows; the rounded part of a cylindrical structure; electric lamp consisting of a glass ball
92.	preous behavior	adj.	excessively bold or forward; taking liberties beyond what is appropriate or socially acceptable
93.	gw gold in the light	ν.	to give out a steady, strong light
94.	a glare of suht	n.	the light emitted by the sun; the rays of the sun
95.	abb a shock	v.	to take in a fluid or other substance gradually
96.	et air pollution	v.	to give off or send out something such as light, heat, sound, gas, etc.
97.	mole behavior	n.	a group of two or more atoms held together by attractive forces known as chemical bonds
98.	infrared spum	n.	an ordered array of colors into which a light beam can be split
99.	st a bullet	v.	to eject saliva or other liquid from the mouth
100	). prm spectrometer	n.	a three-dimensional object with a triangular base and parallel sides, which refracts (= to bend something) light that passes through it, resulting in the separation and display of the colors of the visible spectrum; a metaphorical term used to describe a situation that reveals or illuminates various aspects or perspectives of a particular phenomenon or topic

ANSWERS: 90. particle, 91. bulb, 92. presumptuous, 93. glow, 94. sunlight, 95.

absorb, 96. emit, 97. molecule, 98. spectrum, 99. spit, 100. prism

101. inle stars	adj.	impossible or nearly impossible to see
102. adt as needed	v.	to make fit for or change to suit a new purpose or environment
103. snh a hasty meal	v.	to take or grab something suddenly or quickly
104. snh up her purse	v.	to take or grab something suddenly or quickly
105. preous attitude	adj.	excessively bold or forward; taking liberties beyond what is appropriate or socially acceptable
106. st a mouthful of saliva	v.	to eject saliva or other liquid from the mouth
107. he was enly to blame	adv	completely
108. gw a pale orange	v.	to give out a steady, strong light
109. a trant lie	adj.	easy to perceive, detect, or understand; (of a material or article) permitting light to pass through freely
110. major paradigm sht	n.	a slight transition in position, direction, or trend
111. flaht beam	n.	a portable electric light with a handle and a switch that can be turned on and off
112. blt authority	n.	a large piece of soft material used to cover or wrap a person or thing to keep them warm; (adjective) broad in scope or content
113. the atmospheric temre	n.	the degree of hotness or coldness of a thing or place

ANSWERS: 101. invisible, 102. adapt, 103. snatch, 104. snatch, 105. presumptuous, 106. spit, 107. entirely, 108. glow, 109. transparent, 110. shift, 111. flashlight, 112. blanket, 113. temperature

114. Doppler sht	n.	a slight transition in position, direction, or trend
115. ine a high degree of risk	v.	to include or affect someone or something as a necessary part of something else
116. eletic properties	adj.	of or relating to the magnetism produced by electric charge in motion
117. a ram choice	adj.	made, done, or happening without method, conscious decision, or any regular pattern
118. funal rights	adj.	forming an essential base or core from which everything else develops or is affected
119. mive popcorn	n.	a form of electromagnetic radiation with wavelengths ranging from about one millimeter to one meter and frequencies between 300 MHz (0.3 GHz) and 300 GHz; an electric oven that cooks food by exposing it to high-frequency electromagnetic radiation, which causes the food molecules to vibrate and heat up quickly
120. ine a lot of paperwork	ν.	to include or affect someone or something as a necessary part of something else
121. waul practices	adj.	characterized by excessive or unnecessary use or consumption; using resources or materials inefficiently or inappropriately, resulting in unnecessary waste or expense

ANSWERS: 114. shift, 115. involve, 116. electromagnetic, 117. random, 118. fundamental, 119. microwave, 120. involve, 121. wasteful

122. effects of cle change	n.	the weather in a particular location averaged over some long period
123. audio hez	n.	the unit of frequency, equal to one cycle per second, often used to describe the frequency of electromagnetic waves or electronic signals
124. et a gamma ray	ν.	to give off or send out something such as light, heat, sound, gas, etc.
125. tera-hez radiation	n.	the unit of frequency, equal to one cycle per second, often used to describe the frequency of electromagnetic waves or electronic signals
126. reduce my som intake	n.	a metallic element that is the most common alkali metal and is used in the production of many chemicals, including soap, glass, and paper
127. thI energy	adj.	relating to heat or temperature; designed for or capable of producing or maintaining heat
128. gaa radiation	n.	the third letter of the Greek alphabet; a type of radiation having the shortest wavelength and highest energy of electromagnetic waves
129. beyond the rem of possibility	n.	a domain of activity, interest, or knowledge
130. dee my position	v.	to state or explain precisely the nature, scope, or meaning of something
131. industry-spic regulations	adj.	clearly defined or particular to a certain thing or situation; distinct, explicit, and precise

ANSWERS: 122. climate, 123. hertz, 124. emit, 125. hertz, 126. sodium, 127. thermal, 128. gamma, 129. realm, 130. define, 131. specific

132. diar after a week	<i>v</i> .	to cease to exist or be visible
133. dee centigrade	n.	a unit of measurement for angles, temperature, or level of proficiency or achievement; a rank or level of academic or professional attainment
134. against tron	n.	a belief, custom, or way of doing something that has been passed down from generation to generation within a group or society
135. som bicarbonate	n.	a metallic element that is the most common alkali metal and is used in the production of many chemicals, including soap, glass, and paper
136. opaque to X-r_ys	n.	a narrow line of light, heat, or another form of energy
137. ined radiation	adj.	relating to or denoting electromagnetic radiation with a wavelength just longer than that of red light but shorter than that of microwave radiation, used for sensing heat and for remote control
138. waul habits	adj.	characterized by excessive or unnecessary use or consumption; using resources or materials inefficiently or inappropriately, resulting in unnecessary waste or expense
139. cot only in knowing facts	ν.	to be composed or made up of
140. glg cheeks	adj.	highly enthusiastic; greatly praised

ANSWERS: 132. disappear, 133. degree, 134. tradition, 135. sodium, 136. ray, 137. infrared, 138. wasteful, 139. consist, 140. glowing

# Session 3: Fill in the Blanks

- 1. The plant has a stunning \_\_\_\_\_ blossom.
- adj. of a color intermediate between red and blue
- 2. Buying new clothes every week is a \_\_\_\_\_ use of money and resources.
- *adj.* characterized by excessive or unnecessary use or consumption; using resources or materials inefficiently or inappropriately, resulting in unnecessary waste or expense
- 3. The human ear can detect sounds with frequencies ranging from 20 to 20,000
- *n.* the unit of frequency, equal to one cycle per second, often used to describe the frequency of electromagnetic waves or electronic signals
- 4. The outermost \_\_\_\_\_\_ shell determines the chemical properties of an atom.
- *n.* a tiny particle with the negative electrical charge
- 5. He \_\_\_\_\_\_ victory from the jaws of defeat in the game's final seconds.
- *v.* to take or grab something suddenly or quickly
- 6. We can calculate the position of the \_\_\_\_\_\_ statistically.
- *n*. a small piece of something; a word or piece of a term with grammatical function but little or no significance
- 7. Big techs are now eager to develop \_\_\_\_\_ computers.
- *n.* the smallest amount or unit of something, especially (electromagnetic) energy
- 8. The scientist conducted a study that provided \_\_\_\_\_\_ details about the species' behavior.
- *adj.* clearly defined or particular to a certain thing or situation; distinct, explicit, and precise

ANSWERS: 1. purple, 2. wasteful, 3. hertz, 4. electron, 5. snatches, 6. particles, 7. quantum, 8. specific

- 9. Could you help me \_\_\_\_\_ some furniture?
- *n.* a slight transition in position, direction, or trend
- 10. She received her \_\_\_\_\_ in psychology from the university.
- *n.* a unit of measurement for angles, temperature, or level of proficiency or achievement; a rank or level of academic or professional attainment
- 11. Cities around the world set records for highest \_\_\_\_\_\_ this summer.
- *n.* the degree of hotness or coldness of a thing or place
- 12. The sun was setting, and the sky \_\_\_\_\_ with beautiful colors.
- v. to give out a steady, strong light
- 13. To find drunk drivers, police conduct \_\_\_\_\_\_ tests.
- *adj.* made, done, or happening without method, conscious decision, or any regular pattern
- 14. 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
- 15. The paper-covered \_\_\_\_\_\_ glowed softly in the darkness.
- *n.* a portable source of lighting, typically featuring a protective enclosure for the light source
- 16. The shape of the DNA \_\_\_\_\_\_ is a double helix.
- *n*. a group of two or more atoms held together by attractive forces known as chemical bonds

ANSWERS: 9. shift, 10. degree, 11. temperatures, 12. glowed, 13. random, 14. atmosphere, 15. lantern, 16. molecule

- 17. She was mesmerized by the \_\_\_\_\_ colors.
- *n.* an arch of colors in the sky caused by the refraction and dispersion of sunlight through rain
- 18. He used a backup \_\_\_\_\_\_ to find his way through the dark cave.
- *n.* a portable electric light with a handle and a switch that can be turned on and off
- 19. Trees absorb \_\_\_\_\_ dioxide and give off oxygen.
- *n.* a chemical element that can be found in pure form as diamond or graphite, and it is also an essential part of coal and oil and is found in all plants and animals
- 20. During the unloading, the container box \_\_\_\_\_ a clicking sound.
- v. to give off or send out something such as light, heat, sound, gas, etc.
- 21. The numbers on the sign \_\_\_\_\_\_ to points on the map.
- *v.* to match or be similar to something else almost exactly; to exchange messages
- 22. The focus of these initiatives is to make the financial system more \_\_\_\_\_
- *adj.* easy to perceive, detect, or understand; (of a material or article) permitting light to pass through freely
- 23. The investigation \_\_\_\_\_\_ several government agencies and is expected to take several months.
  - v. to include or affect someone or something as a necessary part of something else
- 24. Later, his claim was found to be \_\_\_\_\_\_ false.

adv. completely

ANSWERS: 17. rainbow's, 18. flashlight, 19. carbon, 20. emits, 21. correspond, 22. transparent, 23. involves, 24. entirely

- 25. We need to \_\_\_\_\_\_ the aspect of his personality from the part of his competence when making an investment decision.
  - v. to force, take, or pull apart; mark as different
- 26. This device displayed the speech \_\_\_\_\_\_ spectrographically.
- *n.* an ordered array of colors into which a light beam can be split
- 27. It is a \_\_\_\_\_\_ in many families to have a big Thanksgiving dinner with all their relatives.
  - *n.* a belief, custom, or way of doing something that has been passed down from generation to generation within a group or society
- 28. Shall we \_\_\_\_\_ a bite to eat?
  - v. to take hold of something or someone suddenly with a hand, especially in a violent way
- 29. The oscillator hunts for the correct \_\_\_\_\_\_
- *n.* an ordered array of colors into which a light beam can be split
- 30. It was \_\_\_\_\_\_ of him to assume he would be hired for the job without submitting a resume.
- *adj.* excessively bold or forward; taking liberties beyond what is appropriate or socially acceptable
- 31. I advised him to \_\_\_\_\_ to his new surroundings.
- v. to make fit for or change to suit a new purpose or environment
- 32. She tried to \_\_\_\_\_ out the gum that she had been chewing.
- v. to eject saliva or other liquid from the mouth

ANSWERS: 25. separate, 26. spectrum, 27. tradition, 28. grab, 29. frequency, 30. presumptuous, 31. adapt, 32. spit

- 33. \_\_\_\_\_ and weather have an impact on every part of our lifestyles.
- *n.* the weather in a particular location averaged over some long period
- 34. The outermost electron shell of an \_\_\_\_\_ determines its chemical characteristics.
- *n.* the smallest unit of ordinary matter that forms a chemical element, composed of a nucleus and one or more electrons bound to the nucleus
- 35. My home is easily \_\_\_\_\_ from the shore.
  - adj. capable of being seen; or open to easy view
- 36. This examination \_\_\_\_\_\_ of five problems to solve.
- v. to be composed or made up of
- 37. Her passions are in the \_\_\_\_\_ of real-world political affairs.
- *n.* a domain of activity, interest, or knowledge
- 38. Gamma \_\_\_\_\_ penetrate body tissues and cause cell damage.
- *n.* a narrow line of light, heat, or another form of energy
- 39. High levels of \_\_\_\_\_ in the diet can increase the risk of developing high blood pressure.
- *n.* a metallic element that is the most common alkali metal and is used in the production of many chemicals, including soap, glass, and paper
- 40. Infrared cameras detect \_\_\_\_\_ in the infrared range of the electromagnetic spectrum.
  - *n.* a unit or quantum of electromagnetic energy, typically regarded as a particle that is the basic constituent of all light and other forms of electromagnetic radiation

ANSWERS: 33. Climate, 34. atom, 35. visible, 36. consists, 37. realm, 38. rays, 39. sodium, 40. photons

- 41. The scientist used an optical \_\_\_\_\_ to analyze the dispersion of light in the laboratory experiment.
- *n*. a three-dimensional object with a triangular base and parallel sides, which refracts (= to bend something) light that passes through it, resulting in the separation and display of the colors of the visible spectrum; a metaphorical term used to describe a situation that reveals or illuminates various aspects or perspectives of a particular phenomenon or topic
- 42. The \_\_\_\_\_\_ bodies in the night sky were beautiful to behold.
- *adj.* relating to the sky or the heavens; of or like the sky or the heavens
- 43. I heated my leftover food in the \_\_\_\_\_ oven, which tasted just as good as freshly cooked.
  - *n*. a form of electromagnetic radiation with wavelengths ranging from about one millimeter to one meter and frequencies between 300 MHz (0.3 GHz) and 300 GHz; an electric oven that cooks food by exposing it to high-frequency electromagnetic radiation, which causes the food molecules to vibrate and heat up quickly
- 44. He studied \_\_\_\_\_\_ in college and now works as an engineer.
- *n.* the branch of physics that deals with the study of motion, forces, and energy; (mechanic) someone whose occupation is repairing and maintaining automobiles
- 45. They watched the train \_\_\_\_\_ into the distance.
- v. to cease to exist or be visible
- 46. 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.

ANSWERS: 41. prism, 42. celestial, 43. microwave, 44. mechanics, 45. disappear, 46. gap

- 47. The electric \_\_\_\_\_\_ keeps me warm on cold nights.
  - *n.* a large piece of soft material used to cover or wrap a person or thing to keep them warm; (adjective) broad in scope or content
- 48. Radiation from \_\_\_\_\_ has a different wavelength.
- *n.* the light emitted by the sun; the rays of the sun
- 49. \_\_\_\_\_ radiation can cause skin damage if one is exposed for too long.
- *adj.* relating to or occupying the part of the spectrum beyond the violet end, especially radiation
- 50. 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
- 51. Human behavior has \_\_\_\_\_ characteristics.
- *adj.* forming an essential base or core from which everything else develops or is affected
- 52. The \_\_\_\_\_\_ camera revealed a hidden image on the surface.
- *adj.* relating to or denoting electromagnetic radiation with a wavelength just longer than that of red light but shorter than that of microwave radiation, used for sensing heat and for remote control
- 53. Gandhi had an \_\_\_\_\_ zeal for nonviolence.
- adj. perfect or complete or to the most considerable degree possible
- 54. 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

ANSWERS: 47. blanket, 48. sunlight, 49. Ultraviolet, 50. planet, 51. fundamental, 52. infrared, 53. absolute, 54. thermal

- 55. The blood's red coloring comes from iron \_\_\_\_\_.
- *n*. a chemical compound that contains at least one oxygen atom and one other element
- 56. The passenger grabbed for the \_\_\_\_\_ mask.
- *n.* the chemical element with the symbol O that is present in air and water and is necessary for people, animals, and plants to live
- 57. He tried every possible treatment, including chemotherapy and \_\_\_\_\_\_ therapy.
- *n*. the energy that comes from a nuclear reaction in the form of rays, waves, or particles and that can be hazardous to health
- 58. White color is made up of many different \_\_\_\_\_\_ of light.
- *n.* the distance between two points in the same phase in consecutive cycles of a wave
- 59. The \_\_\_\_\_\_ effect is a phenomenon that happens naturally.
- *n*. a building with walls and roof made chiefly of transparent material, such as glass, for growing plants in
- 60. To advance this discussion, we must \_\_\_\_\_\_ "success" rigorously.
- *v.* to state or explain precisely the nature, scope, or meaning of something
- 61. The doctor ordered an \_\_\_\_\_ to see if there was any damage to the bones.
- *n.* a type of electromagnetic radiation that has a wavelength shorter than visible light allowing hidden objects such as bones and organs inside the body to be photographed
- 62. \_\_\_\_\_ rays are a type of high-energy radiation that can be harmful to living organisms.
- *n.* the third letter of the Greek alphabet; a type of radiation having the shortest wavelength and highest energy of electromagnetic waves

ANSWERS: 55. oxide, 56. oxygen, 57. radiation, 58. wavelengths, 59. greenhouse, 60. define, 61. X-ray, 62. Gamma

- 63. The western sky was \_\_\_\_\_ pink.
- adj. highly enthusiastic; greatly praised
- 64. We had our bedroom \_\_\_\_\_\_ before winter came.
- v. to protect something by interposing material that prevents heat, noise, electricity, etc.
- 65. The sponge \_\_\_\_\_ water well.
- v. to take in a fluid or other substance gradually
- 66. She is a \_\_\_\_\_ of strength for our team in trouble.
- *n.* a structure that is exceptionally high in proportion to its width and either forms part of a building or stands alone
- 67. His hypothesis concerns the role of an \_\_\_\_\_\_ field in human health.

*adj.* of or relating to the magnetism produced by electric charge in motion

- 68. The birds \_\_\_\_\_\_ open water areas with reeds around them.
- *v*. to like, choose, or want one thing or person better than another
- 69. The light \_\_\_\_\_ has burned out.
  - *n.* a rounded underground storage organ of some plants from which the plant grows; the rounded part of a cylindrical structure; electric lamp consisting of a glass ball
- 70. The phenomenon is \_\_\_\_\_\_ at optical wavelengths.
- adj. impossible or nearly impossible to see

ANSWERS: 63. glowing, 64. insulated, 65. absorbs, 66. tower, 67. electromagnetic, 68. prefer, 69. bulb, 70. invisible