# **Englist.me**

## Vocabulary Builder Reference from...

Jon Bergmann: Just how small is an atom? | TED Talk https://www.ted.com/talks/jon\_bergmann\_just\_how\_s mall\_is\_an\_atom



#### All Words

#### IMPORTANT

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### Session 1: Word List

probable	<i>adj.</i> likely to happen or likely to be true <i>synonym</i> : likely, possible, potential			
	<ul> <li>(1) probable outcome, (2) probable cause of a fire</li> <li>It seems probable that he has forgotten our scheduled meeting.</li> </ul>			
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>			
particle	<ul> <li><i>n</i>. a small piece of something; a word or piece of a term with grammatical function but little or no significance</li> <li><i>synonym</i>: 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.			
proton	<i>n.</i> a very small particle with a positive charge equal to the negative charge of an electron that forms part of the nucleus of all atoms			

	(1) proton decay, (2) proton conductivity			
	The solar wind is composed almost entirely of electrons and <b>protons</b> .			
neutron	<ul> <li>n. a subatomic particle with no electric charge that is present in all atomic nuclei except those of ordinary hydrogen</li> </ul>			
	<ul><li>(1) neutron acceleration, (2) the antiparticle of a neutron</li><li>A neutron star is incredibly dense and has a strong gravitational pull.</li></ul>			
electron	n. a tiny particle with the negative electrical charge synonym: 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>			
bet	<ul> <li>v. to risk money on the result of an event or a competition, such as a race or game, to get more money; to have faith or confidence in something</li> <li>synonym: stake, wager, gamble</li> </ul>			
	(1) <b>bet</b> on a race, (2) <b>bet</b> my future			
	I bet that you know it.			
assume	<ul> <li>v. to think or accept something to be true without having proof of it; to take or begin to have power; to begin to exhibit a specific quality or appearance</li> <li>synonym: guess, presume, suppose</li> </ul>			
	(1) <b>assume</b> a lousy attitude to his boss, (2) <b>assume</b> an important role			
	The following example <b>assumes</b> that the capacity of each battery is the same.			
nitrogen	<i>n</i> . a chemical element with the symbol N and atomic number 7, which is a highly reactive element that forms part of many compounds, including amino acids and proteins			

	<ul> <li>(1) heavy nitrogen, (2) nitrogen absorption</li> <li>Nitrogen gas is used to inflate car tires because it does not react with rubber.</li> </ul>
visualize	<ul> <li>v. to form a mental image or concept of something; to make something visible</li> <li>synonym: imagine, picture, envision</li> </ul>
	(1) <b>visualize</b> data, (2) <b>visualize</b> flying through space
	She tried to <b>visualize</b> the layout of the new house in her mind.
crazy	adj. stupid or not sensible; very angry synonym: insane, absurd, bizarre
	<ol> <li>(1) crazy about cars and racing, (2) a crazy scheme</li> <li>The rain and thunder are crazy today.</li> </ol>
nucleus	<ul> <li>n. the central and most important part of something; (biology) a part of the cell containing DNA and RNA and responsible for growth and reproduction; (physics) the very dense central region of an atom</li> <li>synonym: core, heart, middle</li> </ul>
	(1) form a <b>nucleus</b> , (2) the <b>nucleus</b> of a team
	DNA is stored in the <b>nucleus</b> of a cell.
dot	<i>n.</i> a very small circular mark, especially one that is printed <i>synonym</i> : drop, dab, fleck
	(1) connecting the <b>dots</b> , (2) <b>dot</b> blot method
	The wallpaper had a pattern of pink <b>dots</b> on a white surface.
arrow	<ul> <li><i>n</i>. a thin, pointed projectile designed to be shot from a bow; a symbol or pointer that is shaped like an arrow</li> <li><i>synonym</i>: shaft, dart, projectile</li> </ul>
	(1) <b>arrow</b> pointing, (2) <b>arrow</b> diagram
	The archer aimed his <b>arrow</b> carefully at the target.
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.
barely	<i>adv.</i> just enough; hardly; with great difficulty or effort <i>synonym</i> : scarcely, hardly, only just
	(1) barely noticeable, (2) barely finished
	I <b>barely</b> made it to the meeting on time, rushing from another appointment across town.
visible	<i>adj.</i> capable of being seen; or open to easy view <i>synonym</i> : clear, observable, seeable
	(1) visible stars, (2) visible by X-ray
	My home is easily <b>visible</b> from the shore.
wrap	v. to cover or enclose something entirely with paper, cloth, or other material
	synonym: surround, cover, bandage
	(1) wrap a fish in foil, (2) wrap up a meeting
	Wrap the bandage tightly around the injured arm.
stadium	<ul> <li>n. a large, usually roofless building with tiers of seats for spectators at sports or other events</li> <li>synonym: arena, field, park</li> </ul>
	(1) stadium seating, (2) stadium capacity
	The baseball <b>stadium</b> was filled with excited fans eagerly awaiting the start of the game.
smack	<ul> <li>v. to hit something or someone with force, often making a loud noise; to deliver a sharp criticism or rebuke</li> <li>synonym: hit, slap, strike</li> </ul>
	(1) <b>smack</b> on the lips, (2) <b>smack</b> his knee
	The baseball player <b>smacked</b> the ball out of the park, securing a home run.

dab	<i>v.</i> to touch or apply something lightly, usually several times <i>synonym</i> : apply, pat, daub				
	(1) dab my cheek with powder, (2) dab paint on the wall				
	She <b>dabbed</b> her face with a puff.				
marble	<i>n</i> . a hard crystalline metamorphic rock that has a pattern of lines going through it and takes a high polish used for sculpture and as building material; a small ball made of stone, especially one used in children's games				
	synonym: stone, rock, sphere				
	(1) <b>marble</b> statues, (2) artificial <b>marble</b>				
	The floor was made of white and black <b>marble</b> arranged in a checkerboard pattern.				
mass	<i>n.</i> a large amount of a substance with no definite shape or form; a large number of people or things grouped or crowded together				
	synonym: abundance, crowd, mob				
	(1) a <b>mass</b> of molten rock, (2) critical <b>mass</b>				
	The <b>mass</b> of people who do not own property is politically impotent.				
surprisingly	<i>adv.</i> in a way that causes amazement or wonder <i>synonym</i> : exceptionally, notably, unusually				
	(1) <b>surprisingly</b> advanced culture, (2) have <b>surprisingly</b> little effect				
	The exam was <b>surprisingly</b> tricky for everyone.				
vast	<i>adj.</i> enormous in size, number, amount, or quantity <i>synonym</i> : expansive, extended, boundless				
	(1) <b>vast</b> majority, (2) <b>vast</b> desert				
	A vast audience viewed the broadcast.				
technique	n. a particular way or art of doing something that needs skill				
	synonym: approach, procedure, strategy				
	(1) a <b>technique</b> in martial arts, (2) the <b>technique</b> applied to				

	construction
	Jockey's superior <b>technique</b> brought him victory.
electromagnetic	adj. 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.
bizarre	adj. very strange or unusual synonym: abnormal, freaky, outlandish
	(1) the story is <b>bizarre</b> , (2) <b>bizarre</b> behavior
	The truth was more <b>bizarre</b> than expected.
virtually	<i>adv.</i> almost completely <i>synonym</i> : almost, basically, nearly
	(1) virtually all countries, (2) virtually identical
	Virtually all the parties signed the contract.
dense	<ul> <li>adj. containing a large number of people or something with little space between them</li> <li>synonym: heavy, thick, idiotic</li> </ul>
	(1) nutrient- <b>dense</b> foods, (2) <b>dense</b> forests
	The entire mountain is covered in <b>dense</b> rainforest.
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?
typical	<i>adj.</i> having the usual characteristics or traits of a specific group of things
	synonym: characteristic, usual, distinctive
	(1) typical leader, (2) fairly typical symptoms
	This artwork is <b>typical</b> of her work.

gram	<ul> <li>n. a metric unit of weight equal to one-thousandth of a kilogram</li> </ul>
	(1) centimeter- gram-second system, (2) gram amount
	How much is it per one hundred grams?
meter	<ul> <li>n. a device used to measure the amount of a particular substance or attribute, such as length, volume, or time; (prosody) the accent in a metrical foot of verse</li> <li>synonym: gauge, indicator, rhythm</li> </ul>
	(1) a gas <b>meter</b> , (2) poetic <b>meter</b>
	The <b>meter</b> on the wall showed that the room was three
	meters long.
cube	<ul> <li>n. a three-dimensional shape with six square faces that are all equal in size; (of mathematics) the result of multiplying the number by itself three times</li> <li>synonym: block, square, cell</li> </ul>
	(1) <b>cube</b> root, (2) ice <b>cube</b>
	I cut the cheese into small <b>cubes</b> for the salad.
pound	<i>n.</i> the standard unit of money in the UK; the standard unit of weight equal to 16 ounces
	(1) three-fourths of a <b>pound</b> , (2) thousands of <b>pounds</b>
	The car's front bumper cost fifteen hundred <b>pounds</b> .
cubic	adj. having the shape of a cube or being of three dimensions; measured in units that are the third power of a linear unit
	synonym: three-dimensional, boxlike, cubical
	(1) <b>cubic</b> meter, (2) <b>cubic</b> structure
	The package was a <b>cubic</b> shape, which made it easier to stack on the shelf.
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>
	(1) grab an audience, (2) grab an opportunity

#### Shall we grab a bite to eat?

weigh	<ul> <li>v. to have a particular weight; to carefully evaluate things before making a conclusion</li> <li>synonym: consider, cogitate, count</li> </ul>			
	(1) weigh heavily on stock prices, (2) weigh a cargo			
	The baby <b>weighs</b> 1 pound 3 oz.			
honk	<ul> <li>n. a loud, harsh sound made by a vehicle's horn to signal a warning or attract attention</li> <li>synonym: beep, toot, blare</li> </ul>			
	(1) honk sound, (2) honk for attention			
	The incessant <b>honk</b> of the car's horn woke me from sleep.			
weird	<i>adj.</i> extraordinary, unexpected, or difficult to explain <i>synonym</i> : bizarre, creepy, peculiar			
	(1) a <b>weird</b> dress, (2) the state of being <b>weird</b>			
	My computer has been acting weird recently.			

# **Session 2: Spelling**

1.	surgly advanced culture	adv.	in a way that causes amazement or wonder
2.	connecting the d_ts	n.	a very small circular mark, especially one that is printed
3.	the antiparticle of a nen	n.	a subatomic particle with no electric charge that is present in all atomic nuclei except those of ordinary hydrogen
4.	charged pale	n.	a small piece of something; a word or piece of a term with grammatical function but little or no significance
5.	vily identical	adv.	almost completely
6.	ase an important role	v.	to think or accept something to be true without having proof of it; to take or begin to have power; to begin to exhibit a specific quality or appearance
7.	hk sound	n.	a loud, harsh sound made by a vehicle's horn to signal a warning or attract attention
8.	ice ce	n.	a three-dimensional shape with six square faces that are all equal in size; (of mathematics) the result of multiplying the number by itself three times
9.	arw pointing	n.	a thin, pointed projectile designed to be shot from a bow; a symbol or pointer that is shaped like an arrow

ANSWERS: 1. surprisingly, 2. dot, 3. neutron, 4. particle, 5. virtually, 6. assume, 7. honk, 8. cube, 9. arrow

10. a cry scheme	adj.	stupid or not sensible; very angry
11. cuc meter	adj.	having the shape of a cube or being of three dimensions; measured in units that are the third power of a linear unit
12. eletic properties	adj.	of or relating to the magnetism produced by electric charge in motion
13. nen acceleration	n.	a subatomic particle with no electric charge that is present in all atomic nuclei except those of ordinary hydrogen
14. population dey	n.	the quality of compactness of a substance
15. eletic radiation	adj.	of or relating to the magnetism produced by electric charge in motion
16. a gas mer	n.	a device used to measure the amount of a particular substance or attribute, such as length, volume, or time; (prosody) the accent in a metrical foot of verse
17. gm amount	n.	a metric unit of weight equal to one-thousandth of a kilogram
18. stm capacity	n.	a large, usually roofless building with tiers of seats for spectators at sports or other events
19. thousands of pods	n.	the standard unit of money in the UK; the standard unit of weight equal to 16 ounces
20. vize data	v.	to form a mental image or concept of something; to make something visible

ANSWERS: 10. crazy, 11. cubic, 12. electromagnetic, 13. neutron, 14. density, 15. electromagnetic, 16. meter, 17. gram, 18. stadium, 19. pound, 20. visualize

21. arw diagram	n.	a thin, pointed projectile designed to be shot from a bow; a symbol or pointer that is shaped like an arrow
22. tyl leader	adj.	having the usual characteristics or traits of a specific group of things
23. wp a fish in foil	v.	to cover or enclose something entirely with paper, cloth, or other material
24. the state of being wed	adj.	extraordinary, unexpected, or difficult to explain
25. flow of elons	n.	a tiny particle with the negative electrical charge
26. a ms of molten rock	n.	a large amount of a substance with no definite shape or form; a large number of people or things grouped or crowded together
27. bay finished	adv	just enough; hardly; with great difficulty or effort
28. prle outcome	adj.	likely to happen or likely to be true
29. prn conductivity	n.	a very small particle with a positive charge equal to the negative charge of an electron that forms part of the nucleus of all atoms
30. d_b my cheek with powder	v.	to touch or apply something lightly, usually several times
31. d_b paint on the wall	v.	to touch or apply something lightly, usually several times
32. smk on the lips	v.	to hit something or someone with force, often making a loud noise; to deliver a sharp criticism or rebuke

ANSWERS: 21. arrow, 22. typical, 23. wrap, 24. weird, 25. electron, 26. mass, 27. barely, 28. probable, 29. proton, 30. dab, 31. dab, 32. smack

33.	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
34.	cry about cars and racing	adj.	stupid or not sensible; very angry
35.	bie behavior	adj.	very strange or unusual
36.	a wed dress	adj.	extraordinary, unexpected, or difficult to explain
37.	the teue applied to construction	n.	a particular way or art of doing something that needs skill
38.	vily all countries	adv.	almost completely
39.	vt desert	adj.	enormous in size, number, amount, or quantity
40.	gb an audience	v.	to take hold of something or someone suddenly with a hand, especially in a violent way
41.	have surgly little effect	adv.	in a way that causes amazement or wonder
42.	critical ms	n.	a large amount of a substance with no definite shape or form; a large number of people or things grouped or crowded together
43.	stm seating	n.	a large, usually roofless building with tiers of seats for spectators at sports or other events
44.	vt majority	adj.	enormous in size, number, amount, or quantity

ANSWERS: 33. atom, 34. crazy, 35. bizarre, 36. weird, 37. technique, 38. virtually, 39. vast, 40. grab, 41. surprisingly, 42. mass, 43. stadium, 44. vast

45	. wp up a meeting	ν.	to cover or enclose something entirely with paper, cloth, or other material
46	. hk for attention	n.	a loud, harsh sound made by a vehicle's horn to signal a warning or attract attention
47	. vize flying through space	v.	to form a mental image or concept of something; to make something visible
48	. weh heavily on stock prices	ν.	to have a particular weight; to carefully evaluate things before making a conclusion
49	. higher pixel dey	n.	the quality of compactness of a substance
50	. ce root	n.	a three-dimensional shape with six square faces that are all equal in size; (of mathematics) the result of multiplying the number by itself three times
51	. weh a cargo	ν.	to have a particular weight; to carefully evaluate things before making a conclusion
52	. cuc structure	adj.	having the shape of a cube or being of three dimensions; measured in units that are the third power of a linear unit
53	. heavy nien	n.	a chemical element with the symbol N and atomic number 7, which is a highly reactive element that forms part of many compounds, including amino acids and proteins
54	. dee forests	adj.	containing a large number of people or something with little space between them

ANSWERS: 45. wrap, 46. honk, 47. visualize, 48. weigh, 49. density, 50. cube, 51. weigh, 52. cubic, 53. nitrogen, 54. dense

55.	poetic mer	n.	a device used to measure the amount of a particular substance or attribute, such as length, volume, or time; (prosody) the accent in a metrical foot
			of verse
56.	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
57.	b_t my future	v.	to risk money on the result of an event or a competition, such as a race or game, to get more money; to have faith or confidence in something
58.	g_b an opportunity	v.	to take hold of something or someone suddenly with a hand, especially in a violent way
59.	prle cause of a fire	adj.	likely to happen or likely to be true
60.	ase a lousy attitude to his boss	v.	to think or accept something to be true without having proof of it; to take or begin to have power; to begin to exhibit a specific quality or appearance
61.	smk his knee	v.	to hit something or someone with force, often making a loud noise; to deliver a sharp criticism or rebuke
62.	nutrient-dee foods	adj.	containing a large number of people or something with little space between them
63.	three-fourths of a pod	n.	the standard unit of money in the UK; the standard unit of weight equal to 16 ounces

ANSWERS: 55. meter, 56. atom, 57. bet, 58. grab, 59. probable, 60. assume, 61. smack, 62. dense, 63. pound

64.	artificial mae	n.	a hard crystalline metamorphic rock that has a pattern of lines going through it and takes a high polish used for sculpture and as building material; a small ball made of stone, especially one used in children's games
65.	an inle asset	adj.	impossible or nearly impossible to see
66.	inle stars	adj.	impossible or nearly impossible to see
67.	a teue in martial arts	n.	a particular way or art of doing something that needs skill
68.	vie by X-ray	adj.	capable of being seen; or open to easy view
69.	centimeter-gm-second system	n.	a metric unit of weight equal to one-thousandth of a kilogram
70.	pale energy	n.	a small piece of something; a word or piece of a term with grammatical function but little or no significance
71.	beam of elons	n.	a tiny particle with the negative electrical charge
72.	the story is bie	adj.	very strange or unusual
73.	mae statues	n.	a hard crystalline metamorphic rock that has a pattern of lines going through it and takes a high polish used for sculpture and as building material; a small ball made of stone, especially one used in children's games
74.	prn decay	n.	a very small particle with a positive charge equal to the negative charge of an electron that forms part of the nucleus of all atoms

ANSWERS: 64. marble, 65. invisible, 66. invisible, 67. technique, 68. visible, 69. gram, 70. particle, 71. electron, 72. bizarre, 73. marble, 74. proton

75. fairly tyI symptoms	adj.	having the usual characteristics or traits of a specific group of things
76. nien absorption	n.	a chemical element with the symbol N and atomic number 7, which is a highly reactive element that forms part of many compounds, including amino acids and proteins
77. b_t on a race	v.	to risk money on the result of an event or a competition, such as a race or game, to get more money; to have faith or confidence in something
78. form a nus	n.	the central and most important part of something; (biology) a part of the cell containing DNA and RNA and responsible for growth and reproduction; (physics) the very dense central region of an atom
79. vie stars	adj.	capable of being seen; or open to easy view
80. the nus of a team	n.	the central and most important part of something; (biology) a part of the cell containing DNA and RNA and responsible for growth and reproduction; (physics) the very dense central region of an atom
81. bay noticeable	adv.	just enough; hardly; with great difficulty or effort
82. d_t blot method	n.	a very small circular mark, especially one that is printed

ANSWERS: 75. typical, 76. nitrogen, 77. bet, 78. nucleus, 79. visible, 80. nucleus, 81. barely, 82. dot

# Session 3: Fill in the Blanks

- 1. 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
- 2. The floor was made of white and black \_\_\_\_\_ arranged in a checkerboard pattern.
- *n.* a hard crystalline metamorphic rock that has a pattern of lines going through it and takes a high polish used for sculpture and as building material; a small ball made of stone, especially one used in children's games
- 3. DNA is stored in the \_\_\_\_\_ of a cell.
- n. the central and most important part of something; (biology) a part of the cell containing DNA and RNA and responsible for growth and reproduction; (physics) the very dense central region of an atom
- 4. The solar wind is composed almost entirely of electrons and \_\_\_\_\_.
- *n*. a very small particle with a positive charge equal to the negative charge of an electron that forms part of the nucleus of all atoms
- 5. It seems \_\_\_\_\_\_ that he has forgotten our scheduled meeting.
- adj. likely to happen or likely to be true
- 6. The wallpaper had a pattern of pink \_\_\_\_\_ on a white surface.
- *n.* a very small circular mark, especially one that is printed
- 7. This artwork is \_\_\_\_\_ of her work.
- *adj.* having the usual characteristics or traits of a specific group of things

ANSWERS: 1. atom, 2. marble, 3. nucleus, 4. protons, 5. probable, 6. dots, 7. typical

- 8. The baseball player \_\_\_\_\_\_ the ball out of the park, securing a home run.
- v. to hit something or someone with force, often making a loud noise; to deliver a sharp criticism or rebuke
- 9. 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
- 10. His hypothesis concerns the role of an \_\_\_\_\_\_ field in human health. *adj.* of or relating to the magnetism produced by electric charge in motion
- 11. Do you know the \_\_\_\_\_ of the population in Hong Kong?
- *n.* the quality of compactness of a substance
- 12. My computer has been acting \_\_\_\_\_ recently.
- adj. extraordinary, unexpected, or difficult to explain
- 13. The \_\_\_\_\_ of people who do not own property is politically impotent.
- *n.* a large amount of a substance with no definite shape or form; a large number of people or things grouped or crowded together
- 14. The entire mountain is covered in \_\_\_\_\_ rainforest.
- *adj.* containing a large number of people or something with little space between them
- 15. The baby \_\_\_\_\_ 1 pound 3 oz.
  - *v.* to have a particular weight; to carefully evaluate things before making a conclusion

ANSWERS: 8. smacked, 9. particles, 10. electromagnetic, 11. density, 12. weird, 13. mass, 14. dense, 15. weighs

- 16. \_\_\_\_\_ gas is used to inflate car tires because it does not react with rubber.
- *n*. a chemical element with the symbol N and atomic number 7, which is a highly reactive element that forms part of many compounds, including amino acids and proteins
- 17. \_\_\_\_\_ all the parties signed the contract.

*adv.* almost completely

- 18. My home is easily \_\_\_\_\_ from the shore.
  - *adj.* capable of being seen; or open to easy view
- 19. \_\_\_\_\_ the bandage tightly around the injured arm.
- v. to cover or enclose something entirely with paper, cloth, or other material
- 20. A \_\_\_\_\_ audience viewed the broadcast.
- *adj.* enormous in size, number, amount, or quantity
- 21. The baseball \_\_\_\_\_\_ was filled with excited fans eagerly awaiting the start of the game.
- *n.* a large, usually roofless building with tiers of seats for spectators at sports or other events
- 22. The following example \_\_\_\_\_\_ that the capacity of each battery is the same.
- *v.* to think or accept something to be true without having proof of it; to take or begin to have power; to begin to exhibit a specific quality or appearance
- 23. I cut the cheese into small \_\_\_\_\_ for the salad.
- *n.* a three-dimensional shape with six square faces that are all equal in size; (of mathematics) the result of multiplying the number by itself three times

ANSWERS: 16. Nitrogen, 17. Virtually, 18. visible, 19. Wrap, 20. vast, 21. stadium, 22. assumes, 23. cubes

- 24. The phenomenon is \_\_\_\_\_\_ at optical wavelengths.
  - *adj.* impossible or nearly impossible to see
- 25. The outermost \_\_\_\_\_\_ shell determines the chemical properties of an atom.
- *n.* a tiny particle with the negative electrical charge
- 26. Jockey's superior \_\_\_\_\_ brought him victory.
- *n.* a particular way or art of doing something that needs skill
- 27. How much is it per one hundred \_\_\_\_\_
- *n.* a metric unit of weight equal to one-thousandth of a kilogram
- The car's front bumper cost fifteen hundred \_\_\_\_\_\_
- *n.* the standard unit of money in the UK; the standard unit of weight equal to 16 ounces
- 29. I \_\_\_\_\_ made it to the meeting on time, rushing from another appointment across town.
- adv. just enough; hardly; with great difficulty or effort
- 30. The package was a \_\_\_\_\_ shape, which made it easier to stack on the shelf.
- *adj.* having the shape of a cube or being of three dimensions; measured in units that are the third power of a linear unit
- 31. Shall we \_\_\_\_\_ a bite to eat?
- v. to take hold of something or someone suddenly with a hand, especially in a violent way
- 32. The rain and thunder are \_\_\_\_\_ today.
- adj. stupid or not sensible; very angry

ANSWERS: 24. invisible, 25. electron, 26. technique, 27. grams?, 28. pounds, 29. barely, 30. cubic, 31. grab, 32. crazy

33. The truth was more \_\_\_\_\_ than expected.

*adj.* very strange or unusual

34. She \_\_\_\_\_ her face with a puff.

*v.* to touch or apply something lightly, usually several times

35. A \_\_\_\_\_\_ star is incredibly dense and has a strong gravitational pull.

- *n.* a subatomic particle with no electric charge that is present in all atomic nuclei except those of ordinary hydrogen
- 36. I \_\_\_\_ that you know it.
- v. to risk money on the result of an event or a competition, such as a race or game, to get more money; to have faith or confidence in something
- 37. She tried to \_\_\_\_\_\_ the layout of the new house in her mind.
- *v*. to form a mental image or concept of something; to make something visible
- 38. The incessant \_\_\_\_\_ of the car's horn woke me from sleep.
- *n.* a loud, harsh sound made by a vehicle's horn to signal a warning or attract attention
- 39. The exam was \_\_\_\_\_\_ tricky for everyone.
- adv. in a way that causes amazement or wonder
- 40. The \_\_\_\_\_ on the wall showed that the room was three meters long.
- *n.* a device used to measure the amount of a particular substance or attribute, such as length, volume, or time; (prosody) the accent in a metrical foot of verse
- 41. The archer aimed his \_\_\_\_\_ carefully at the target.
- *n.* a thin, pointed projectile designed to be shot from a bow; a symbol or pointer that is shaped like an arrow

ANSWERS: 33. bizarre, 34. dabbed, 35. neutron, 36. bet, 37. visualize, 38. honk, 39. surprisingly, 40. meter, 41. arrow

#### ANSWERS: