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Vocabulary Builder Reference from...

Jakob Magolan: A crash course in organic chemistry |

TED Talk

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Advanced Words Only

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Session 1: Word List

grueling

adj. extremely tiring or demanding great effort, especially with long duration or intensity

synonym : exhausting, draining, demanding

(1) **grueling** process, (2) a **grueling** campaign

The marathon was a **grueling** test of endurance.

overwhelm

v. to defeat someone or something by using a great deal of force; to have a strong emotional effect on somebody

synonym : conquer, crush, dominate

(1) he was **overwhelmed** with gratitude, (2) **overwhelm** opponents by numbers

Too much variety may **overwhelm** and confuse viewers.

veterinarian

n. (formal for a vet) a medical professional who specializes in the care and treatment of animals, especially those that are domesticated or kept as pets

synonym : vet, animal doctor, pet doctor

(1) **veterinarian** clinic, (2) experienced **veterinarian**

I took my pet to the **veterinarian** for a routine check-up.

inexcusable

adj. impossible to excuse or justify; reprehensible or unforgivable

synonym : unforgivable, unjustifiable, indefensible

(1) **inexcusable** delay, (2) **inexcusable** excuse

His behavior at the meeting was **inexcusable** and will not be tolerated.

premed

n. (an abbreviation for "pre-medical") a course of study or preparation undertaken by students planning to enter medical school or pursue a career in medicine

(1) **premed** class, (2) **premed** coursework

The **premed** student spent hours studying anatomy and physiology to prepare for medical school.

adrenaline

n. (also "epinephrine") a substance secreted by the adrenal medulla in response to stress, which makes the heart beat faster and prepares the body to react to danger

synonym: epinephrine

(1) **adrenaline** receptor, (2) **adrenaline** addiction

The band has released a lot of **adrenaline-pumping** rock music.

dilate

v. to make something wider, larger, or more open

synonym: widen, open, enlarge

(1) **dilate** the bronchial tubes, (2) **dilate** blood vessel

The pupils of the eyes **dilate** in low light.

rot

v. to decay, or cause something to decay, naturally and gradually

synonym: perish, decay, corrode

(1) begin to **rot**, (2) **rot** with age

Please refrigerate the meat, or it will **rot**.

dissolve

v. to be or cause to be absorbed by a liquid to form a part of the solution; to close down or dismiss

synonym: disband, disappear, liquefy

(1) **dissolve** the sugar, (2) officially **dissolved** the marriage

The political party **dissolved** after much internal fighting.

quintillion

n. a cardinal number representing one thousand raised to the power of six (the number one followed by 18 zeros, 1,000,000,000,000,000,000)

(1) one **quintillion** dollars, (2) **quintillion** stars

There are approximately one **quintillion** insects on the planet at any given time.

visualize

v. to form a mental image or concept of something; to make something visible

synonym: imagine, picture, envision

(1) **visualize** data, (2) **visualize** flying through space

She tried to **visualize** the layout of the new house in her mind.

ballpark

v. a place or facility where baseball is played; a rough estimation of something

synonym: arena, proximity, vicinity

(1) **ballpark** price, (2) major-league **ballpark**

It'll be somewhere in the **ballpark** of \$100.

spectrometer

n. a scientific device used to measure the properties of light or other radiation, often used in chemistry and physics to analyze the composition of materials

synonym: spectroscope, analyzer, detector

(1) **spectrometer** measurement, (2) optical **spectrometer**

The infrared **spectrometer** helped identify the chemical composition of the sample.

proton

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

(1) **proton** decay, (2) **proton** conductivity

The solar wind is composed almost entirely of electrons and **protons**.

misspell

v. to spell incorrectly or wrongly; to use an incorrect spelling for a word

synonym : miscopy, mismark

(1) **misspell** words, (2) **misspell** his name

Please be careful not to **misspell** any of the words in your essay.

honk

n. a loud, harsh sound made by a vehicle's horn to signal a warning or attract attention

synonym : beep, toot, blare

(1) **honk** sound, (2) **honk** for attention

The incessant **honk** of the car's horn woke me from sleep.

handshake

n. a greeting or form of introduction in which two people grasp each other's hands and briefly grip and shake them; (of computer science) a process by which two devices or software applications establish a connection and exchange information to ensure that they can communicate effectively

synonym : greeting, handclasp, welcome

(1) **handshake** protocol, (2) virtual **handshake**

The two business partners sealed the deal with a **handshake**.

ammonia

n. a compound of nitrogen and hydrogen that forms a gas with a strong smell, used as cleaning substances, fertilizers, and explosives

(1) **ammonia** water, (2) inhale **ammonia** fumes

The advent of **ammonia** fertilizers markedly increased agricultural productivity.

methane

n. a chemical compound with the chemical formula CH₄ with no smell or color, often used as a fuel

(1) atmospheric **methane**, (2) reduce **methane** emissions

The ignition of **methane** gas in the plant killed five employees.

flammable

adj. able to burn easily

synonym : combustible, ignitable, incendiary

(1) **flammable** atmosphere, (2) non- **flammable** fiber

The warning labels indicated that the product was highly **flammable**.

hydrocarbon

n. an organic compound consisting entirely of hydrogen and carbon

(1) **hydrocarbon** production, (2) **hydrocarbon** molecules in crude oil

Burning **hydrocarbons** releases water vapor and carbon dioxide.

barbecue

n. a cooking method or apparatus that uses open flames or heated coals to grill or smoke meat, fish, or vegetables; a social gathering or meal characterized by outdoor grilling or barbecuing of food

synonym: grill, cookout, outdoor cooking

(1) **barbecue** sauce, (2) **barbecue** grill

The **barbecue** at the park was a hit with all the families who attended.

morphine

n. a powerful narcotic drug used to relieve pain and induce sleep

synonym: narcotic, painkiller, sedative

(1) **morphine** addiction, (2) synthetic **morphine**

Long-term use of **morphine** can lead to tolerance, physical dependence, and addiction.

medicinal

adj. of or relating to the treatment or cure of disease

synonym: curative, therapeutic, healing

(1) **medicinal** chemistry, (2) traditional **medicinal**

The **medicinal** properties of this herb have been known to help with various ailments.

adrenal

adj. relating to two glands situated above the kidneys, called the adrenal gland

(1) **adrenal** gland, (2) **adrenal** cortex

The doctor ordered tests to check the patient's **adrenal**

function.

surreal

adj. strange and unreal; having an oddly dreamlike quality

synonym : dreamlike, fantastical, unreal

(1) **surreal** number, (2) **surreal** art

The dreamlike quality of the painting gave it a **surreal** feel.

synthesize

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

synonym : incorporate, amalgamate

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

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

carbohydrate

n. (also carb) any of a class of organic compounds that includes sugars, starch, and cellulose and are a principal source of energy in the diet of animals

synonym : sugar, starch, cellulose

(1) complex **carbohydrate**, (2) **carbohydrate** metabolism

Foods high in **carbohydrates** include bread, pasta, and rice.

infuse

v. to fill something with a particular quality, feeling, or influence; to imbue

synonym : instill, fill, permeate

(1) **infuse** with spirit, (2) **infuse** life with meaning

She **infused** fresh herbs into the soup for added flavor.

reclaim

v. to take back something previously lost, given, or paid, or ask to have it back

synonym : recoup, regain, retake

(1) **reclaim** a competitive position, (2) **reclaim** land from the sea

You may be entitled to **reclaim** some tax.

human-made

adj. created or produced by humans; artificial

synonym : artificial, unnatural, manufactured

(1) **human-made** climate change, (2) the worst

human-made disaster

The bridge is a **human-made** structure and was built to span the river.

toxicology

n. the study of poisonous substances and their effects on organisms, including humans

(1) molecular **toxicology**, (2) forensic **toxicology**

The **toxicology** report showed that the victim had high levels of poison in their system.

decompose

v. to break down or cause to break down over time into simpler substances or elements

synonym: break down, rot, spoil

(1) **decompose** matter, (2) **decompose** into simpler molecules

After the earthquake, many of the buildings in the city were left in ruins and began to **decompose**.

purify

v. to remove harmful substances from something and increase the concentration of it

synonym: refine, filter, clarify

(1) **purify** hydrogen gas, (2) **purify** the blood

The equipment is frequently used to **purify** and distribute drinking water.

sclerotic

adj. referring to the hardening or thickening of a tissue, organ, or other body parts, often due to infection, disease, or aging

synonym: hardened, rigid, stiff

(1) **sclerotic** lesion, (2) **sclerotic** plaques

The **sclerotic** arteries in his legs made it difficult for him to walk long distances.

lymphoma

n. a type of cancer that affects the body's lymphatic system, which is responsible for fighting infection and disease

synonym: lymphatic cancer, lymphoid tumor, lymph node cancer

(1) non-hodgkin **lymphoma**, (2) childhood **lymphoma**
My aunt was diagnosed with **lymphoma** and is undergoing chemotherapy.

snug

adj. comfortably warm and cozy; fitting tightly and comfortably; compact and efficient in design

synonym: cozy, comfortable, kempt

(1) **snug** blanket, (2) **snug** little house

The baby was fast asleep in his **snug** cot, swaddled in soft, warm blankets.

vancomycin

n. a powerful antibiotic used to treat bacterial infections that are resistant to other treatments

(1) **vancomycin** resistance, (2) **vancomycin** dosing

The patient was treated with intravenous **vancomycin** for bacterial infection.

majestic

adj. impressive or grand in appearance, size, or manner; stately

synonym: grand, stately, regal

(1) a **majestic** figure, (2) a **majestic** sense of purpose

The **majestic** mountain range was a sight to behold.

chlorine

n. a chemical element with the symbol Cl and atomic number 17, a greenish-yellow gas that is highly reactive and used in a variety of applications, including as a bleach and disinfectant

synonym: element, greenish-yellow gas, bleach

(1) **chlorine** gas, (2) **chlorine** tablet

Some people are sensitive to the smell of **chlorine** and experience headaches or respiratory irritation.

puddle

n. a small pool of water, especially on a flat surface; a small and usually shallow accumulation of any liquid substance

synonym: pool, pond, small lake

(1) **puddle** of water, (2) step in a **puddle**

The rain had formed a large **puddle** on the sidewalk.

composure

n. the state of being calm, collected, and in control of one's emotions and actions, especially in difficult or stressful situations

synonym : calmness, poise, self-control

(1) regain my **composure**, (2) lack of **composure**

The actress maintained her **composure** even when faced with harsh criticism.

blacksmith

n. a smith who forges and shapes iron with a hammer and anvil

(1) **blacksmith** welding, (2) **blacksmith** shop

The **blacksmith** shaped a horseshoe on his anvil.

phosphorus

n. a chemical element with the symbol P and atomic number 15 that is a non-metallic, highly reactive, and luminescent element

synonym : P, phosphoric, phosphorous

(1) **phosphorus** element, (2) yellow **phosphorus**

Phosphorus compounds are commonly used to manufacture fertilizers to promote plant growth.

intricate

adj. having many different parts and small details that all work together

synonym : complicated, convoluted, complex

(1) **intricate** details, (2) **intricate** lacework

The politician managed to deal with that **intricate** issue.

Session 2: Spelling

- | | |
|---------------------------------------|---|
| 1. traditional me_____al | <i>adj.</i> of or relating to the treatment or cure of disease |
| 2. officially di_____ved the marriage | <i>v.</i> to be or cause to be absorbed by a liquid to form a part of the solution; to close down or dismiss |
| 3. car_____ate metabolism | <i>n.</i> (also carb) any of a class of organic compounds that includes sugars, starch, and cellulose and are a principal source of energy in the diet of animals |
| 4. lack of co_____re | <i>n.</i> the state of being calm, collected, and in control of one's emotions and actions, especially in difficult or stressful situations |
| 5. bla_____th welding | <i>n.</i> a smith who forges and shapes iron with a hammer and anvil |
| 6. van_____in resistance | <i>n.</i> a powerful antibiotic used to treat bacterial infections that are resistant to other treatments |
| 7. ch_____ne tablet | <i>n.</i> a chemical element with the symbol Cl and atomic number 17, a greenish-yellow gas that is highly reactive and used in a variety of applications, including as a bleach and disinfectant |
| 8. experienced vet_____ian | <i>n.</i> (formal for a vet) a medical professional who specializes in the care and treatment of animals, especially those that are domesticated or kept as pets |

ANSWERS: 1. medicinal, 2. dissolve, 3. carbohydrate, 4. composure, 5. blacksmith, 6. vancomycin, 7. chlorine, 8. veterinarian

9. molecular tox_____gy *n.* the study of poisonous substances and their effects on organisms, including humans
10. di___e blood vessel *v.* to make something wider, larger, or more open
11. reduce me_____e emissions *n.* a chemical compound with the chemical formula CH₄ with no smell or color, often used as a fuel
12. mi_____ll words *v.* to spell incorrectly or wrongly; to use an incorrect spelling for a word
13. adr_____ne receptor *n.* (also "epinephrine") a substance secreted by the adrenal medulla in response to stress, which makes the heart beat faster and prepares the body to react to danger
14. major-league ba_____rk *v.* a place or facility where baseball is played; a rough estimation of something
15. synthetic mo_____ne *n.* a powerful narcotic drug used to relieve pain and induce sleep
16. fl_____le atmosphere *adj.* able to burn easily
17. pho_____us element *n.* a chemical element with the symbol P and atomic number 15 that is a non-metallic, highly reactive, and luminescent element
18. regain my co_____re *n.* the state of being calm, collected, and in control of one's emotions and actions, especially in difficult or stressful situations
19. ch_____ne gas *n.* a chemical element with the symbol Cl and atomic number 17, a greenish-yellow gas that is highly reactive and used in a variety of applications, including as a bleach and disinfectant

ANSWERS: 9. toxicology, 10. dilate, 11. methane, 12. misspell, 13. adrenaline, 14. ballpark, 15. morphine, 16. flammable, 17. phosphorus, 18. composure, 19. chlorine

20. mi_____ll his name *v.* to spell incorrectly or wrongly; to use an incorrect spelling for a word
21. vi_____ze data *v.* to form a mental image or concept of something; to make something visible
22. non-hodgkin ly_____ma *n.* a type of cancer that affects the body's lymphatic system, which is responsible for fighting infection and disease
23. pr____d coursework *n.* (an abbreviation for "pre-medical") a course of study or preparation undertaken by students planning to enter medical school or pursue a career in medicine
24. step in a pu____e *n.* a small pool of water, especially on a flat surface; a small and usually shallow accumulation of any liquid substance
25. a ma_____ic figure *adj.* impressive or grand in appearance, size, or manner; stately
26. h__k for attention *n.* a loud, harsh sound made by a vehicle's horn to signal a warning or attract attention
27. in_____te details *adj.* having many different parts and small details that all work together
28. vi_____ze flying through space *v.* to form a mental image or concept of something; to make something visible
29. non-fl_____le fiber *adj.* able to burn easily
30. a gr_____ng campaign *adj.* extremely tiring or demanding great effort, especially with long duration or intensity

ANSWERS: 20. misspell, 21. visualize, 22. lymphoma, 23. premed, 24. puddle, 25. majestic, 26. honk, 27. intricate, 28. visualize, 29. flammable, 30. grueling

31. in_____te lacework *adj.* having many different parts and small details that all work together
32. syn_____ze molecules *v.* to combine a substance to make a more complex product or compound
33. inhale am_____a fumes *n.* a compound of nitrogen and hydrogen that forms a gas with a strong smell, used as cleaning substances, fertilizers, and explosives
34. h__k sound *n.* a loud, harsh sound made by a vehicle's horn to signal a warning or attract attention
35. r_t with age *v.* to decay, or cause something to decay, naturally and gradually
36. su_____l number *adj.* strange and unreal; having an oddly dreamlike quality
37. syn_____ze information *v.* to combine a substance to make a more complex product or compound
38. su_____l art *adj.* strange and unreal; having an oddly dreamlike quality
39. hyd_____on molecules in crude oil *n.* an organic compound consisting entirely of hydrogen and carbon
40. pu___y the blood *v.* to remove harmful substances from something and increase the concentration of it
41. re_____m land from the sea *v.* to take back something previously lost, given, or paid, or ask to have it back
42. he was ov_____lmed with gratitude *v.* to defeat someone or something by using a great deal of force; to have a strong emotional effect on somebody

ANSWERS: 31. intricate, 32. synthesize, 33. ammonia, 34. honk, 35. rot, 36. surreal, 37. synthesize, 38. surreal, 39. hydrocarbon, 40. purify, 41. reclaim, 42. overwhelm

43. di_____ve the sugar
v. to be or cause to be absorbed by a liquid to form a part of the solution; to close down or dismiss
44. pu____e of water
n. a small pool of water, especially on a flat surface; a small and usually shallow accumulation of any liquid substance
45. me_____al chemistry
adj. of or relating to the treatment or cure of disease
46. ad_____l cortex
adj. relating to two glands situated above the kidneys, called the adrenal gland
47. one qui_____on dollars
n. a cardinal number representing one thousand raised to the power of six (the number one followed by 18 zeros, 1,000,000,000,000,000,000)
48. ba_____ue sauce
n. a cooking method or apparatus that uses open flames or heated coals to grill or smoke meat, fish, or vegetables; a social gathering or meal characterized by outdoor grilling or barbecuing of food
49. in____e life with meaning
v. to fill something with a particular quality, feeling, or influence; to imbue
50. ine_____le delay
adj. impossible to excuse or justify; reprehensible or unforgivable
51. forensic tox_____gy
n. the study of poisonous substances and their effects on organisms, including humans
52. optical spe_____ter
n. a scientific device used to measure the properties of light or other radiation, often used in chemistry and physics to analyze the composition of materials

ANSWERS: 43. dissolve, 44. puddle, 45. medicinal, 46. adrenal, 47. quintillion, 48. barbecue, 49. infuse, 50. inexcusable, 51. toxicology, 52. spectrometer

53. adr_____ne addiction *n.* (also "epinephrine") a substance secreted by the adrenal medulla in response to stress, which makes the heart beat faster and prepares the body to react to danger
54. ov_____lm opponents by numbers *v.* to defeat someone or something by using a great deal of force; to have a strong emotional effect on somebody
55. bla_____th shop *n.* a smith who forges and shapes iron with a hammer and anvil
56. in___e with spirit *v.* to fill something with a particular quality, feeling, or influence; to imbue
57. ad_____l gland *adj.* relating to two glands situated above the kidneys, called the adrenal gland
58. yellow pho_____us *n.* a chemical element with the symbol P and atomic number 15 that is a non-metallic, highly reactive, and luminescent element
59. sc_____ic lesion *adj.* referring to the hardening or thickening of a tissue, organ, or other body parts, often due to infection, disease, or aging
60. vet_____ian clinic *n.* (formal for a vet) a medical professional who specializes in the care and treatment of animals, especially those that are domesticated or kept as pets
61. childhood ly_____ma *n.* a type of cancer that affects the body's lymphatic system, which is responsible for fighting infection and disease
62. spe_____ter measurement *n.* a scientific device used to measure the properties of light or other radiation, often used in chemistry and physics to analyze the composition of materials

ANSWERS: 53. adrenaline, 54. overwhelm, 55. blacksmith, 56. infuse, 57. adrenal, 58. phosphorus, 59. sclerotic, 60. veterinarian, 61. lymphoma, 62. spectrometer

63. hum_____de climate change *adj.* created or produced by humans; artificial
64. ba_____rk price *v.* a place or facility where baseball is played; a rough estimation of something
65. pr____d class *n.* (an abbreviation for "pre-medical") a course of study or preparation undertaken by students planning to enter medical school or pursue a career in medicine
66. pu____y hydrogen gas *v.* to remove harmful substances from something and increase the concentration of it
67. complex car_____ate *n.* (also carb) any of a class of organic compounds that includes sugars, starch, and cellulose and are a principal source of energy in the diet of animals
68. van_____in dosing *n.* a powerful antibiotic used to treat bacterial infections that are resistant to other treatments
69. hyd_____on production *n.* an organic compound consisting entirely of hydrogen and carbon
70. am_____a water *n.* a compound of nitrogen and hydrogen that forms a gas with a strong smell, used as cleaning substances, fertilizers, and explosives
71. re_____m a competitive position *v.* to take back something previously lost, given, or paid, or ask to have it back
72. the worst hum_____de disaster *adj.* created or produced by humans; artificial

ANSWERS: 63. human-made, 64. ballpark, 65. premed, 66. purify, 67. carbohydrate, 68. vancomycin, 69. hydrocarbon, 70. ammonia, 71. reclaim, 72. human-made

73. s__g blanket *adj.* comfortably warm and cozy; fitting tightly and comfortably; compact and efficient in design
74. atmospheric me_____e *n.* a chemical compound with the chemical formula CH₄ with no smell or color, often used as a fuel
75. ha_____ke protocol *n.* a greeting or form of introduction in which two people grasp each other's hands and briefly grip and shake them; (of computer science) a process by which two devices or software applications establish a connection and exchange information to ensure that they can communicate effectively
76. sc_____ic plaques *adj.* referring to the hardening or thickening of a tissue, organ, or other body parts, often due to infection, disease, or aging
77. s__g little house *adj.* comfortably warm and cozy; fitting tightly and comfortably; compact and efficient in design
78. qui_____on stars *n.* a cardinal number representing one thousand raised to the power of six (the number one followed by 18 zeros, 1,000,000,000,000,000,000)
79. virtual ha_____ke *n.* a greeting or form of introduction in which two people grasp each other's hands and briefly grip and shake them; (of computer science) a process by which two devices or software applications establish a connection and exchange information to ensure that they can communicate effectively

ANSWERS: 73. snug, 74. methane, 75. handshake, 76. sclerotic, 77. snug, 78. quintillion, 79. handshake

90. begin to r_t

v. to decay, or cause something to decay,
naturally and gradually

ANSWERS: 90. rot

Session 3: Fill in the Blanks

1. Some people are sensitive to the smell of _____ and experience headaches or respiratory irritation.
 - n.* a chemical element with the symbol Cl and atomic number 17, a greenish-yellow gas that is highly reactive and used in a variety of applications, including as a bleach and disinfectant
2. The warning labels indicated that the product was highly _____.
 - adj.* able to burn easily
3. Burning _____ releases water vapor and carbon dioxide.
 - n.* an organic compound consisting entirely of hydrogen and carbon
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. Please refrigerate the meat, or it will _____.
 - v.* to decay, or cause something to decay, naturally and gradually
6. The doctor ordered tests to check the patient's _____ function.
 - adj.* relating to two glands situated above the kidneys, called the adrenal gland
7. The patient was treated with intravenous _____ for bacterial infection.
 - n.* a powerful antibiotic used to treat bacterial infections that are resistant to other treatments
8. The rain had formed a large _____ on the sidewalk.
 - n.* a small pool of water, especially on a flat surface; a small and usually shallow accumulation of any liquid substance

ANSWERS: 1. chlorine, 2. flammable, 3. hydrocarbons, 4. protons, 5. rot, 6. adrenal, 7. vancomycin, 8. puddle

9. I took my pet to the _____ for a routine check-up.
n. (formal for a vet) a medical professional who specializes in the care and treatment of animals, especially those that are domesticated or kept as pets
10. 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
11. 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
12. The _____ arteries in his legs made it difficult for him to walk long distances.
adj. referring to the hardening or thickening of a tissue, organ, or other body parts, often due to infection, disease, or aging
13. The two business partners sealed the deal with a _____.
n. a greeting or form of introduction in which two people grasp each other's hands and briefly grip and shake them; (of computer science) a process by which two devices or software applications establish a connection and exchange information to ensure that they can communicate effectively
14. My aunt was diagnosed with _____ and is undergoing chemotherapy.
n. a type of cancer that affects the body's lymphatic system, which is responsible for fighting infection and disease
15. The _____ at the park was a hit with all the families who attended.
n. a cooking method or apparatus that uses open flames or heated coals to grill or smoke meat, fish, or vegetables; a social gathering or meal characterized by outdoor grilling or barbecuing of food

ANSWERS: 9. veterinarian, 10. methane, 11. visualize, 12. sclerotic, 13. handshake, 14. lymphoma, 15. barbecue

16. The equipment is frequently used to _____ and distribute drinking water.
- v.* to remove harmful substances from something and increase the concentration of it
17. The _____ student spent hours studying anatomy and physiology to prepare for medical school.
- n.* (an abbreviation for "pre-medical") a course of study or preparation undertaken by students planning to enter medical school or pursue a career in medicine
18. The marathon was a _____ test of endurance.
- adj.* extremely tiring or demanding great effort, especially with long duration or intensity
19. The baby was fast asleep in his _____ cot, swaddled in soft, warm blankets.
- adj.* comfortably warm and cozy; fitting tightly and comfortably; compact and efficient in design
20. The dreamlike quality of the painting gave it a _____ feel.
- adj.* strange and unreal; having an oddly dreamlike quality
21. There are approximately one _____ insects on the planet at any given time.
- n.* a cardinal number representing one thousand raised to the power of six (the number one followed by 18 zeros, 1,000,000,000,000,000,000)
22. The _____ shaped a horseshoe on his anvil.
- n.* a smith who forges and shapes iron with a hammer and anvil
23. The political party _____ after much internal fighting.
- v.* to be or cause to be absorbed by a liquid to form a part of the solution; to close down or dismiss

ANSWERS: 16. purify, 17. premed, 18. grueling, 19. snug, 20. surreal, 21. quintillion, 22. blacksmith, 23. dissolved

24. Foods high in _____ include bread, pasta, and rice.
- n.* (also carb) any of a class of organic compounds that includes sugars, starch, and cellulose and are a principal source of energy in the diet of animals
25. The _____ report showed that the victim had high levels of poison in their system.
- n.* the study of poisonous substances and their effects on organisms, including humans
26. It'll be somewhere in the _____ of \$100.
- v.* a place or facility where baseball is played; a rough estimation of something
27. _____ compounds are commonly used to manufacture fertilizers to promote plant growth.
- n.* a chemical element with the symbol P and atomic number 15 that is a non-metallic, highly reactive, and luminescent element
28. The bridge is a _____ structure and was built to span the river.
- adj.* created or produced by humans; artificial
29. 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
30. The _____ properties of this herb have been known to help with various ailments.
- adj.* of or relating to the treatment or cure of disease
31. After the earthquake, many of the buildings in the city were left in ruins and began to _____.
- v.* to break down or cause to break down over time into simpler substances or elements

ANSWERS: 24. carbohydrates, 25. toxicology, 26. ballpark, 27. Phosphorus, 28. human-made, 29. honk, 30. medicinal, 31. decompose

32. Please be careful not to _____ any of the words in your essay.
v. to spell incorrectly or wrongly; to use an incorrect spelling for a word
33. The politician managed to deal with that _____ issue.
adj. having many different parts and small details that all work together
34. The infrared _____ helped identify the chemical composition of the sample.
n. a scientific device used to measure the properties of light or other radiation, often used in chemistry and physics to analyze the composition of materials
35. Long-term use of _____ can lead to tolerance, physical dependence, and addiction.
n. a powerful narcotic drug used to relieve pain and induce sleep
36. The spider can _____ multiple different silk proteins.
v. to combine a substance to make a more complex product or compound
37. The band has released a lot of _____ rock music.
n. (also "epinephrine") a substance secreted by the adrenal medulla in response to stress, which makes the heart beat faster and prepares the body to react to danger
38. The pupils of the eyes _____ in low light.
v. to make something wider, larger, or more open
39. The _____ mountain range was a sight to behold.
adj. impressive or grand in appearance, size, or manner; stately

ANSWERS: 32. misspell, 33. intricate, 34. spectrometer, 35. morphine, 36. synthesize, 37. adrenaline-pumping, 38. dilate, 39. majestic

40. Too much variety may _____ and confuse viewers.

- v.* to defeat someone or something by using a great deal of force; to have a strong emotional effect on somebody

41. You may be entitled to _____ some tax.

- v.* to take back something previously lost, given, or paid, or ask to have it back

42. She _____ fresh herbs into the soup for added flavor.

- v.* to fill something with a particular quality, feeling, or influence; to imbue

43. The advent of _____ fertilizers markedly increased agricultural productivity.

- n.* a compound of nitrogen and hydrogen that forms a gas with a strong smell, used as cleaning substances, fertilizers, and explosives

44. His behavior at the meeting was _____ and will not be tolerated.

- adj.* impossible to excuse or justify; reprehensible or unforgivable

45. The actress maintained her _____ even when faced with harsh criticism.

- n.* the state of being calm, collected, and in control of one's emotions and actions, especially in difficult or stressful situations

ANSWERS: 40. overwhelm, 41. reclaim, 42. infused, 43. ammonia, 44. inexcusable, 45. composure