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Vocabulary Builder Reference from...

Carl June: A "living drug" that could change the way we treat cancer | TED Talk

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at_could_change_the_way_we_treat_cancer](https://www.ted.com/talks/carl_june_a_living_drug_that_could_change_the_way_we_treat_cancer)

Advanced Words Only

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Session 1: Word List

disappoint

v. to fail to meet someone or their hopes or expectations; to make someone feel sad

synonym: sadden, dismay, frustrate

(1) **disappoint** the audience, (2) don't **disappoint** me
She worked very hard not to **disappoint** her boss's expectations.

pathogen

n. a bacterium, virus, or other microorganism that causes disease

synonym: germ, microbe, bacterium

(1) plant **pathogen**, (2) the **pathogen** in the air
mRNA vaccines are approved faster because they do not contain inactivated **pathogens**.

invade

v. to enter aggressively into another's territory by military force for conquest and occupation

synonym: intrude, raid, overrun

(1) **invade** other tissues, (2) **invade** his privacy
I have no intention to **invade** your privacy.

autoimmune

adj. relating to a condition in which the body's immune system attacks and destroys healthy body tissue, mistaking it for harmful foreign substances

(1) insulin **autoimmune** syndrome, (2) **autoimmune** disorder

The presence of certain substances triggered the **autoimmune** response.

colitis

n. inflammation of the colon; a condition that results in diarrhea, abdominal pain, and cramping

synonym: colon infection, bowel disease

(1) acute **colitis**, (2) chronic **colitis**

Ulcerative **colitis** is an inflammatory bowel disease that can cause severe discomfort and requires long-term management.

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.

infect

v. to affect a person, an animal, or a plant with a disease-causing organism

synonym: pollute, contaminate, affect

(1) **infect** other animal species, (2) **infect** a computer with a virus

Children often **infect** parents with this head cold.

repurpose

v. to use something again for a different purpose than it was originally intended

synonym: reutilize, recycle, reuse

(1) **repurpose** an old building, (2) **repurpose** a used car

The old barn was **repurposed** into a modern event space.

chimera

n. (in Greek mythology) a fire-breathing creature with a lion's head, a goat's body, and a snake's tail; a thing that is illusory or impossible to achieve

synonym: delusion, illusion, figment

(1) **chimera** mouse, (2) interspecies **chimera**

Animal **chimeras** are created by combining multiple fertilized eggs.

serpent

n. a large snake

synonym: snake, viper, reptile

(1) the feathered **serpent** god, (2) **Serpent** Bearer

That mythical chimera has a lion's body, a bird's wings, and a **serpent's** tail.

paradoxical

adj. seemingly contradictory or absurd because of having two opposite features or facts, though it is probably true

synonym: contradictory, conflicting, perplexing

(1) a **paradoxical** anecdote, (2) apparently **paradoxical**

it is **paradoxical** that the French, who prefer animal foods, live longer than people in other countries.

inject

v. to put a liquid such as a drug or other substance into a person's or an animal's body using a needle and syringe (= small tube)

synonym: shoot, infiltrate, insinuate

(1) **inject** under the skin, (2) **inject** a personal opinion into a debate

Let's try to **inject** a bit of enthusiasm into your performance.

supercharge

v. to increase the power or energy of something

synonym: boost, enhance, power up

(1) **supercharge** economic growth, (2) **supercharge** the battery

They **supercharged** the engine to get more power.

steroid

n. any of several organic compounds that are produced in the body and have important physiological effects and affect the development and growth of sex organs

(1) **steroid** abuse, (2) a **steroid** hormone

Some **steroids** are banned for use by athletes because of their muscle-building effects.

buildup

n. the accumulation or increase of something over time

synonym: accumulation, increase, growth

(1) lactic acid **buildup**, (2) huge military **buildup**

The **buildup** of stress over time can lead to health problems.

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.

mold

n. a hollow container used to give shape to liquid or soft substance, which then becomes solid in the same shape as the container; a soft, green, or gray growth that forms on stale food or objects exposed to warm, moist air for too long

synonym: cavity, cast, mildew

(1) a casting **mold**, (2) **mold** allergy

Mushrooms and **mold** are fungi.

improvisation

n. the act of making something up on the spot or creating or performing something without preparation

synonym: spontaneity, ad-lib, extemporization

(1) **improvisation** on stage, (2) jazz **improvisation**

He created a beautiful piece of music using only **improvisation**.

lymphocyte

n. a type of white blood cell that plays a role in the immune system's response to infection and disease

synonym: immune cell, white blood cell, T-cell

(1) activated **lymphocyte**, (2) **lymphocyte** depletion

Immunotherapy is a cancer treatment that uses the patient's T- **lymphocytes** to attack cancer cells.

incurable

adj. not able to be cured, healed, or remedied; beyond recovery or redemption

synonym : unrecoverable, irreparable, hopeless

(1) **incurable** patient, (2) **incurable** romantic

The patient was diagnosed with an **incurable** disease and given only a few months to live.

afflict

v. to cause pain, suffering, or distress to someone or something

synonym : trouble, distress, bother

(1) **afflict** with the plague, (2) **afflict** the economy

The disease can **afflict** both humans and animals.

sergeant

n. a rank of non-commissioned officer in the armed forces, typically above corporal but below staff sergeant or sergeant first class

synonym : officer, serjeant, noncommissioned officer

(1) police **sergeant**, (2) army **sergeant**

The fire department **sergeant** instructed the firefighters on how to tackle the blaze.

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.

comatose

adj. relating to, associated with, or in a coma (= a state of deep and often prolonged unconsciousness)

synonym : senseless, sleepy

(1) fall into a **comatose** state, (2) lie **comatose** on the floor

The doctors revived the **comatose** patient.

rite

n. a formal or ceremonial act or set of acts performed in a traditional or prescribed way; a religious or spiritual ceremony or practice

synonym : ceremony, ritual, practice

(1) perform the **rite**, (2) **rite** of passage into adulthood
The bishop performed the **rite** of consecration for the new church.

biopsy

n. the process of removing and examining tissue from the body of the sick person to determine the existence or cause of a disease

synonym : examination, autopsy

(1) **biopsy** of bone marrow, (2) liquid **biopsy**

The doctor performed an excisional breast **biopsy**.

remission

n. a period of time when a disease or condition is no longer present or active; a lessening or reduction of symptoms or intensity; forgiveness or pardon for sins or debts

synonym : forgiveness, amnesty, absolution

(1) complete **remission**, (2) clinical **remission**

The cancer patient was delighted to hear that their disease was in **remission**.

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.

veritable

adj. authentic or genuine, often used to emphasize the degree or extent of something

synonym : genuine, authentic, bona fide

(1) **veritable** treasure, (2) a **veritable** explosion of colors

She is a **veritable** expert on the subject and has published many papers.

bioreactor

n. a device or system used to cultivate living cells, tissues, or organisms for industrial or research purposes

synonym : fermenter

(1) **bioreactor** engineering, (2) anaerobic **bioreactor**

The scientists optimized the conditions in the **bioreactor** to increase the yield of the desired product.

progeny

n. the descendants or offspring of a person, animal, or plant

synonym: offspring, children, descendants

(1) **progeny** viral DNA, (2) **progeny** of plants

The royal family has much **progeny** scattered across the globe.

spleen

n. a large, blood-rich organ located in the upper left region of the abdomen, known for its role in the immune system, blood storage, and blood filtration

synonym: lien, irascibility, temper

(1) **spleen** function, (2) enlarged **spleen**

The doctor explained that the pain in her abdomen was caused by **spleen** inflammation.

elevate

v. to raise something from a lower to a higher position; to give a promotion to or assign to a higher position

synonym: lift, heighten, promote

(1) **elevate** educational standards, (2) **elevate** a close relationship

Eating food in a hurry **elevates** blood glucose levels.

hundredfold

adj. a hundred times as great or as much

(1) rise nearly **hundredfold**, (2) improve **hundredfold**

The development team reported two **hundredfold** increases in performance.

pediatrics

n. the branch of medicine that deals with the care and treatment of children

synonym: pedology, child health

(1) **pediatrics** department, (2) **pediatrics** clinic

I am studying **pediatrics** in medical school because I love working with children.

tocilizumab

n. a medication used to treat inflammatory conditions such as rheumatoid arthritis, giant cell arteritis, and cytokine release syndrome

(1) administer **tocilizumab**, (2) **tocilizumab** treatment

The patient experienced **tocilizumab** side effects which included dizziness and headaches.

cytokine

n. any of various protein molecules produced by cells of the immune system that serve to regulate the immune system

(1) a **cytokine** production, (2) **cytokine** receptor

Abnormal **cytokine** response may cause atopic dermatitis.

eradicate

v. to get rid of or destroy something completely, especially something bad

synonym: destroy, eliminate, exterminate

(1) **eradicate** the deficit, (2) **eradicate** racial discrimination

We are trying to **eradicate** this disease from the world.

unheard

adj. not heard, listened to, or noticed; not having been brought to public attention

synonym: unknown, obscure

(1) an **unheard** story, (2) previously **unheard-of** economic development

The **unheard** melody was beautiful and touched everyone's hearts.

refractory

adj. stubbornly resistant to authority or control; difficult or impossible to manage, control, or work with; resistant to heat or chemically resistant, particularly when referring to materials or substances

synonym: stubborn, rebellious, obstinate

(1) **refractory** anemia, (2) **refractory** period

The **refractory** material could withstand extremely high temperatures.

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.

complication

n. something that makes a situation or condition that is complex or confused

synonym : confusion, complexity, difficulty

(1) **complication** of structure, (2) resolve without **complication**

He also continued to struggle with serious long-term **complications**.

curative

adj. having the power to cure or heal; relating to or intended for medical treatment or healing

synonym : healing, therapeutic, medicinal

(1) **curative** treatment, (2) **curative** effect

The natural hot springs were said to have **curative** properties for those with sore muscles and joints.

industrious

adj. hardworking, diligent, and persistent in effort

synonym : diligent, hardworking, assiduous

(1) **industrious** worker, (2) **industrious** student

He was known to be very **industrious** and would often work late into the night.

setback

n. an unfortunate happening that hinders or impedes; a reversal or check in progress

synonym : obstacle, hindrance, difficulty

(1) major **setback**, (2) suffer a **setback**

The team experienced a **setback** when their star player was injured during the game.

gratification

n. the feeling of being pleased or satisfied as a result of achieving something or having something you want

synonym: satisfaction, pleasure, contentment

(1) instant **gratification**, (2) aesthetic **gratification**

The **gratification** of completing a difficult task is a great feeling.

detour

n. a route that deviates from the main or direct one, usually taken to avoid something such as traffic or construction; a diversion from the usual or expected course of action

synonym: diversion, deviation, bypass

(1) **detour** sign, (2) unnecessary **detour**

We had to take a **detour because** of the road construction ahead.

Session 2: Spelling

1. in___e life with meaning *v.* to fill something with a particular quality, feeling, or influence; to imbue
2. liquid bi___y *n.* the process of removing and examining tissue from the body of the sick person to determine the existence or cause of a disease
3. me_____al chemistry *adj.* of or relating to the treatment or cure of disease
4. ped_____cs department *n.* the branch of medicine that deals with the care and treatment of children
5. in_____le romantic *adj.* not able to be cured, healed, or remedied; beyond recovery or redemption
6. an un_____d story *adj.* not heard, listened to, or noticed; not having been brought to public attention
7. in___e with spirit *v.* to fill something with a particular quality, feeling, or influence; to imbue
8. in___e other tissues *v.* to enter aggressively into another's territory by military force for conquest and occupation
9. non-hodgkin ly_____ma *n.* a type of cancer that affects the body's lymphatic system, which is responsible for fighting infection and disease
10. in___e his privacy *v.* to enter aggressively into another's territory by military force for conquest and occupation

ANSWERS: 1. infuse, 2. biopsy, 3. medicinal, 4. pediatrics, 5. incurable, 6. unheard, 7. infuse, 8. invade, 9. lymphoma, 10. invade

11. traditional me_____al *adj.* of or relating to the treatment or cure of disease
12. sp____n function *n.* a large, blood-rich organ located in the upper left region of the abdomen, known for its role in the immune system, blood storage, and blood filtration
13. major se_____k *n.* an unfortunate happening that hinders or impedes; a reversal or check in progress
14. sup_____ge economic growth *v.* to increase the power or energy of something
15. imp_____ion on stage *n.* the act of making something up on the spot or creating or performing something without preparation
16. re_____se an old building *v.* to use something again for a different purpose than it was originally intended
17. in____t other animal species *v.* to affect a person, an animal, or a plant with a disease-causing organism
18. rise nearly hun_____ld *adj.* a hundred times as great or as much
19. 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
20. the pa_____en in the air *n.* a bacterium, virus, or other microorganism that causes disease
21. instant gra_____ion *n.* the feeling of being pleased or satisfied as a result of achieving something or having something you want

ANSWERS: 11. medicinal, 12. spleen, 13. setback, 14. supercharge, 15. improvisation, 16. repurpose, 17. infect, 18. hundredfold, 19. sclerotic, 20. pathogen, 21. gratification

22. toc_____ab treatment *n.* a medication used to treat inflammatory conditions such as rheumatoid arthritis, giant cell arteritis, and cytokine release syndrome
23. st_____d abuse *n.* any of several organic compounds that are produced in the body and have important physiological effects and affect the development and growth of sex organs
24. a ve_____le explosion of colors *adj.* authentic or genuine, often used to emphasize the degree or extent of something
25. don't dis_____nt me *v.* to fail to meet someone or their hopes or expectations; to make someone feel sad
26. activated lym_____te *n.* a type of white blood cell that plays a role in the immune system's response to infection and disease
27. enlarged sp_____n *n.* a large, blood-rich organ located in the upper left region of the abdomen, known for its role in the immune system, blood storage, and blood filtration
28. com_____ion of structure *n.* something that makes a situation or condition that is complex or confused
29. ped_____cs clinic *n.* the branch of medicine that deals with the care and treatment of children
30. el_____e a close relationship *v.* to raise something from a lower to a higher position; to give a promotion to or assign to a higher position

ANSWERS: 22. tocilizumab, 23. steroid, 24. veritable, 25. disappoint, 26. lymphocyte, 27. spleen, 28. complication, 29. pediatrics, 30. elevate

31. 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
32. administer toc_____ab *n.* a medication used to treat inflammatory conditions such as rheumatoid arthritis, giant cell arteritis, and cytokine release syndrome
33. perform the r__e *n.* a formal or ceremonial act or set of acts performed in a traditional or prescribed way; a religious or spiritual ceremony or practice
34. childhood ly_____ma *n.* a type of cancer that affects the body's lymphatic system, which is responsible for fighting infection and disease
35. the feathered se_____t god *n.* a large snake
36. Se_____t Bearer *n.* a large snake
37. aesthetic gra_____ion *n.* the feeling of being pleased or satisfied as a result of achieving something or having something you want
38. officially di_____ved the marriage *v.* to be or cause to be absorbed by a liquid to form a part of the solution; to close down or dismiss
39. in____t a computer with a virus *v.* to affect a person, an animal, or a plant with a disease-causing organism
40. sup_____ge the battery *v.* to increase the power or energy of something
41. ind_____us worker *adj.* hardworking, diligent, and persistent in effort

ANSWERS: 31. dissolve, 32. tocilizumab, 33. rite, 34. lymphoma, 35. serpent, 36. serpent, 37. gratification, 38. dissolve, 39. infect, 40. supercharge, 41. industrious

42. af____t the economy *v.* to cause pain, suffering, or distress to someone or something
43. ve_____le treasure *adj.* authentic or genuine, often used to emphasize the degree or extent of something
44. bio_____or engineering *n.* a device or system used to cultivate living cells, tissues, or organisms for industrial or research purposes
45. plant pa_____en *n.* a bacterium, virus, or other microorganism that causes disease
46. aut_____ne disorder *adj.* relating to a condition in which the body's immune system attacks and destroys healthy body tissue, mistaking it for harmful foreign substances
47. 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
48. clinical re_____on *n.* a period of time when a disease or condition is no longer present or active; a lessening or reduction of symptoms or intensity; forgiveness or pardon for sins or debts
49. a par_____al anecdote *adj.* seemingly contradictory or absurd because of having two opposite features or facts, though it is probably true
50. dis_____nt the audience *v.* to fail to meet someone or their hopes or expectations; to make someone feel sad

ANSWERS: 42. afflict, 43. veritable, 44. bioreactor, 45. pathogen, 46. autoimmune, 47. sclerotic, 48. remission, 49. paradoxical, 50. disappoint

51. m__d allergy *n.* a hollow container used to give shape to liquid or soft substance, which then becomes solid in the same shape as the container; a soft, green, or gray growth that forms on stale food or objects exposed to warm, moist air for too long
52. in__t under the skin *v.* to put a liquid such as a drug or other substance into a person's or an animal's body using a needle and syringe (= small tube)
53. re_____se a used car *v.* to use something again for a different purpose than it was originally intended
54. ref_____ry anemia *adj.* stubbornly resistant to authority or control; difficult or impossible to manage, control, or work with; resistant to heat or chemically resistant, particularly when referring to materials or substances
55. resolve without com_____ion *n.* something that makes a situation or condition that is complex or confused
56. chronic co_____s *n.* inflammation of the colon; a condition that results in diarrhea, abdominal pain, and cramping
57. bi___y of bone marrow *n.* the process of removing and examining tissue from the body of the sick person to determine the existence or cause of a disease
58. improve hun_____ld *adj.* a hundred times as great or as much

ANSWERS: 51. mold, 52. inject, 53. repurpose, 54. refractory, 55. complication, 56. colitis, 57. biopsy, 58. hundredfold

59. cy____ne receptor *n.* any of various protein molecules produced by cells of the immune system that serve to regulate the immune system
60. unnecessary de____r *n.* a route that deviates from the main or direct one, usually taken to avoid something such as traffic or construction; a diversion from the usual or expected course of action
61. pr____y viral DNA *n.* the descendants or offspring of a person, animal, or plant
62. af____t with the plague *v.* to cause pain, suffering, or distress to someone or something
63. lym____te depletion *n.* a type of white blood cell that plays a role in the immune system's response to infection and disease
64. ch____a mouse *n.* (in Greek mythology) a fire-breathing creature with a lion's head, a goat's body, and a snake's tail; a thing that is illusory or impossible to achieve
65. de____r sign *n.* a route that deviates from the main or direct one, usually taken to avoid something such as traffic or construction; a diversion from the usual or expected course of action
66. insulin aut____ne syndrome *adj.* relating to a condition in which the body's immune system attacks and destroys healthy body tissue, mistaking it for harmful foreign substances
67. previously un____d-of economic development *adj.* not heard, listened to, or noticed; not having been brought to public attention

ANSWERS: 59. cytokine, 60. detour, 61. progeny, 62. afflict, 63. lymphocyte, 64. chimera, 65. detour, 66. autoimmune, 67. unheard

68. r__e of passage into adulthood *n.* a formal or ceremonial act or set of acts performed in a traditional or prescribed way; a religious or spiritual ceremony or practice
69. interspecies ch____a *n.* (in Greek mythology) a fire-breathing creature with a lion's head, a goat's body, and a snake's tail; a thing that is illusory or impossible to achieve
70. ind_____us student *adj.* hardworking, diligent, and persistent in effort
71. jazz imp_____ion *n.* the act of making something up on the spot or creating or performing something without preparation
72. a st____d hormone *n.* any of several organic compounds that are produced in the body and have important physiological effects and affect the development and growth of sex organs
73. er_____te the deficit *v.* to get rid of or destroy something completely, especially something bad
74. fall into a co____se state *adj.* relating to, associated with, or in a coma (= a state of deep and often prolonged unconsciousness)
75. anaerobic bio_____or *n.* a device or system used to cultivate living cells, tissues, or organisms for industrial or research purposes
76. apparently par_____al *adj.* seemingly contradictory or absurd because of having two opposite features or facts, though it is probably true

ANSWERS: 68. rite, 69. chimera, 70. industrious, 71. improvisation, 72. steroid, 73. eradicate, 74. comatose, 75. bioreactor, 76. paradoxical

77. a cy____ne production *n.* any of various protein molecules produced by cells of the immune system that serve to regulate the immune system
78. in____t a personal opinion into a debate *v.* to put a liquid such as a drug or other substance into a person's or an animal's body using a needle and syringe (= small tube)
79. army se____nt *n.* a rank of non-commissioned officer in the armed forces, typically above corporal but below staff sergeant or sergeant first class
80. complete re____on *n.* a period of time when a disease or condition is no longer present or active; a lessening or reduction of symptoms or intensity; forgiveness or pardon for sins or debts
81. in____le patient *adj.* not able to be cured, healed, or remedied; beyond recovery or redemption
82. huge military bu____p *n.* the accumulation or increase of something over time
83. el____e educational standards *v.* to raise something from a lower to a higher position; to give a promotion to or assign to a higher position
84. suffer a se____k *n.* an unfortunate happening that hinders or impedes; a reversal or check in progress
85. er____te racial discrimination *v.* to get rid of or destroy something completely, especially something bad

ANSWERS: 77. cytokine, 78. inject, 79. sergeant, 80. remission, 81. incurable, 82. buildup, 83. elevate, 84. setback, 85. eradicate

86. cu____ve treatment *adj.* having the power to cure or heal; relating to or intended for medical treatment or healing
87. lactic acid bu____p *n.* the accumulation or increase of something over time
88. cu____ve effect *adj.* having the power to cure or heal; relating to or intended for medical treatment or healing
89. a casting m__d *n.* a hollow container used to give shape to liquid or soft substance, which then becomes solid in the same shape as the container; a soft, green, or gray growth that forms on stale food or objects exposed to warm, moist air for too long
90. lie co____se on the floor *adj.* relating to, associated with, or in a coma (= a state of deep and often prolonged unconsciousness)
91. police se____nt *n.* a rank of non-commissioned officer in the armed forces, typically above corporal but below staff sergeant or sergeant first class
92. acute co____s *n.* inflammation of the colon; a condition that results in diarrhea, abdominal pain, and cramping
93. ref____ry period *adj.* stubbornly resistant to authority or control; difficult or impossible to manage, control, or work with; resistant to heat or chemically resistant, particularly when referring to materials or substances

ANSWERS: 86. curative, 87. buildup, 88. curative, 89. mold, 90. comatose, 91. sergeant, 92. colitis, 93. refractory

94. pr____y of plants

n. the descendants or offspring of a person, animal, or plant

ANSWERS: 94. progeny

Session 3: Fill in the Blanks

1. The fire department _____ instructed the firefighters on how to tackle the blaze.
 - n.* a rank of non-commissioned officer in the armed forces, typically above corporal but below staff sergeant or sergeant first class

2. They _____ the engine to get more power.
 - v.* to increase the power or energy of something

3. Ulcerative _____ is an inflammatory bowel disease that can cause severe discomfort and requires long-term management.
 - n.* inflammation of the colon; a condition that results in diarrhea, abdominal pain, and cramping

4. We are trying to _____ this disease from the world.
 - v.* to get rid of or destroy something completely, especially something bad

5. The scientists optimized the conditions in the _____ to increase the yield of the desired product.
 - n.* a device or system used to cultivate living cells, tissues, or organisms for industrial or research purposes

6. The bishop performed the _____ of consecration for the new church.
 - n.* a formal or ceremonial act or set of acts performed in a traditional or prescribed way; a religious or spiritual ceremony or practice

7. 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

ANSWERS: 1. sergeant, 2. supercharged, 3. colitis, 4. eradicate, 5. bioreactor, 6. rite, 7. sclerotic

8. The doctor explained that the pain in her abdomen was caused by _____ inflammation.
- n.* a large, blood-rich organ located in the upper left region of the abdomen, known for its role in the immune system, blood storage, and blood filtration
9. The _____ material could withstand extremely high temperatures.
- adj.* stubbornly resistant to authority or control; difficult or impossible to manage, control, or work with; resistant to heat or chemically resistant, particularly when referring to materials or substances
10. The development team reported two _____ increases in performance.
- adj.* a hundred times as great or as much
11. Immunotherapy is a cancer treatment that uses the patient's T-_____ to attack cancer cells.
- n.* a type of white blood cell that plays a role in the immune system's response to infection and disease
12. She worked very hard not to _____ her boss's expectations.
- v.* to fail to meet someone or their hopes or expectations; to make someone feel sad
13. Children often _____ parents with this head cold.
- v.* to affect a person, an animal, or a plant with a disease-causing organism
14. The doctor performed an excisional breast _____.
- n.* the process of removing and examining tissue from the body of the sick person to determine the existence or cause of a disease
15. We had to take a _____ of the road construction ahead.
- n.* a route that deviates from the main or direct one, usually taken to avoid something such as traffic or construction; a diversion from the usual or expected course of action

ANSWERS: 8. spleen, 9. refractory, 10. hundredfold, 11. lymphocytes, 12. disappoint, 13. infect, 14. biopsy, 15. detour because

16. The _____ of completing a difficult task is a great feeling.
n. the feeling of being pleased or satisfied as a result of achieving something or having something you want
17. 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
18. The _____ melody was beautiful and touched everyone's hearts.
adj. not heard, listened to, or noticed; not having been brought to public attention
19. That mythical chimera has a lion's body, a bird's wings, and a _____ tail.
n. a large snake
20. The cancer patient was delighted to hear that their disease was in _____.
n. a period of time when a disease or condition is no longer present or active; a lessening or reduction of symptoms or intensity; forgiveness or pardon for sins or debts
21. The team experienced a _____ when their star player was injured during the game.
n. an unfortunate happening that hinders or impedes; a reversal or check in progress
22. She is a _____ expert on the subject and has published many papers.
adj. authentic or genuine, often used to emphasize the degree or extent of something
23. She _____ fresh herbs into the soup for added flavor.
v. to fill something with a particular quality, feeling, or influence; to imbue

ANSWERS: 16. gratification, 17. lymphoma, 18. unheard, 19. serpent's, 20. remission, 21. setback, 22. veritable, 23. infused

24. The old barn was _____ into a modern event space.
- v.* to use something again for a different purpose than it was originally intended
25. I have no intention to _____ your privacy.
- v.* to enter aggressively into another's territory by military force for conquest and occupation
26. Let's try to _____ a bit of enthusiasm into your performance.
- v.* to put a liquid such as a drug or other substance into a person's or an animal's body using a needle and syringe (= small tube)
27. He also continued to struggle with serious long-term _____.
- n.* something that makes a situation or condition that is complex or confused
28. The royal family has much _____ scattered across the globe.
- n.* the descendants or offspring of a person, animal, or plant
29. The natural hot springs were said to have _____ properties for those with sore muscles and joints.
- adj.* having the power to cure or heal; relating to or intended for medical treatment or healing
30. The disease can _____ both humans and animals.
- v.* to cause pain, suffering, or distress to someone or something
31. Animal _____ are created by combining multiple fertilized eggs.
- n.* (in Greek mythology) a fire-breathing creature with a lion's head, a goat's body, and a snake's tail; a thing that is illusory or impossible to achieve

ANSWERS: 24. repurposed, 25. invade, 26. inject, 27. complications, 28. progeny, 29. curative, 30. afflict, 31. chimeras

32. mRNA vaccines are approved faster because they do not contain inactivated _____.
- n.* a bacterium, virus, or other microorganism that causes disease
33. He was known to be very _____ and would often work late into the night.
- adj.* hardworking, diligent, and persistent in effort
34. The doctors revived the _____ patient.
- adj.* relating to, associated with, or in a coma (= a state of deep and often prolonged unconsciousness)
35. Mushrooms and _____ are fungi.
- n.* a hollow container used to give shape to liquid or soft substance, which then becomes solid in the same shape as the container; a soft, green, or gray growth that forms on stale food or objects exposed to warm, moist air for too long
36. I am studying _____ in medical school because I love working with children.
- n.* the branch of medicine that deals with the care and treatment of children
37. Abnormal _____ response may cause atopic dermatitis.
- n.* any of various protein molecules produced by cells of the immune system that serve to regulate the immune system
38. The _____ of stress over time can lead to health problems.
- n.* the accumulation or increase of something over time
39. Eating food in a hurry _____ blood glucose levels.
- v.* to raise something from a lower to a higher position; to give a promotion to or assign to a higher position

ANSWERS: 32. pathogens, 33. industrious, 34. comatose, 35. mold, 36. pediatrics, 37. cytokine, 38. buildup, 39. elevates

40. 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
41. Some _____ are banned for use by athletes because of their muscle-building effects.
- n.* any of several organic compounds that are produced in the body and have important physiological effects and affect the development and growth of sex organs
42. The presence of certain substances triggered the _____ response.
- adj.* relating to a condition in which the body's immune system attacks and destroys healthy body tissue, mistaking it for harmful foreign substances
43. it is _____ that the French, who prefer animal foods, live longer than people in other countries.
- adj.* seemingly contradictory or absurd because of having two opposite features or facts, though it is probably true
44. The patient experienced _____ side effects which included dizziness and headaches.
- n.* a medication used to treat inflammatory conditions such as rheumatoid arthritis, giant cell arteritis, and cytokine release syndrome
45. He created a beautiful piece of music using only _____.
- n.* the act of making something up on the spot or creating or performing something without preparation
46. The _____ properties of this herb have been known to help with various ailments.
- adj.* of or relating to the treatment or cure of disease

ANSWERS: 40. dissolved, 41. steroids, 42. autoimmune, 43. paradoxical, 44. tocilizumab, 45. improvisation, 46. medicinal

47. The patient was diagnosed with an _____ disease and given only a few months to live.

adj. not able to be cured, healed, or remedied; beyond recovery or redemption

ANSWERS: 47. incurable