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Vocabulary Builder Reference from...

Talya Hackett: Ethical dilemma: Should we get rid of mosquitoes? | TED Talk

https://www.ted.com/talks/talya_hackett_ethical_dilemma_should_we_get_rid_of_mosquitoes

All Words

IMPORTANT

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Session 1: Word List

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**.

mosquito

n. a small flying insect whose female bites people and animals and sucks their blood, and sometimes transmits serious diseases such as malaria

synonym : insect, bug, flea

(1) **mosquito** bite, (2) **mosquito** repellent

A stagnant water area are breeding ground for **mosquitos**.

responsible

adj. answerable or accountable for something within one's power, control, or management

synonym : accountable, answerable, liable

(1) **responsible** action, (2) **responsible** for a customer service

She's a **responsible** pet owner who ensures her dog gets enough exercise and a healthy diet.

transmit

v. to send or forward an electronic signal; to pass something from one person or thing to another

synonym: convey, share, dispatch

(1) **transmit** the disease, (2) **transmit** information

Parents often **transmit** their characteristics to their children.

rid

v. to make someone or something free of unwanted or unpleasant tasks, objects, or person

synonym: do away with, free, clear

(1) get **rid** of the rats, (2) **rid** the body of waste products

We must **rid** ourselves of pollution.

lethal

adj. causing or capable of causing death; extremely dangerous

synonym: destructive, fatal, brutal

(1) **lethal** injection, (2) **lethal** weapon

Malignant hypertension is the most **lethal** form of hypertension.

conduct

v. to organize and carry out a particular activity

synonym: behave, lead, carry on

(1) **conduct** a background check, (2) **conduct** research

Police will **conduct** random breath testing for drunk driving.

experiment

n. the scientific test conducted to observe what happens and gain new knowledge

synonym: experimentation, investigation

(1) **experiment** design, (2) series of **experiments**

His **experiments** showed highly positive results.

engineer

n. a person whose job is designing, building, or maintaining something such as machines, structures, or software

synonym: architect, creator, builder

(1) a civil **engineer**, (2) **engineer** shortage

The **engineer** will repair my telephone tomorrow morning.

gene

n. the fundamental unit of heredity and the sequence of nucleotides in DNA that codes for the creation of RNA or protein.

synonym : factor, cistron

(1) **gene** expression, (2) **gene** cloning

A defective **gene** is responsible for the disease.

theoretical

adj. relating to the concepts and principles upon which a particular topic is founded, rather than practice and experience

synonym : conceptual, conjectural, ideal

(1) **theoretical** models, (2) **theoretical** physicist

Absolute zero is the lowest **theoretical** temperature.

grapple

v. to make a strenuous effort to solve a problem; to engage in a close fight or conflict without weapons

synonym : brawl, scuffle, wrestle

(1) **grapple** with problem, (2) **grapple** with each other

He needed to **grapple** with structural reforms to improve the company's revenue.

inheritance

n. the money, property, etc., that someone gives you when they die; (genetics) attributes acquired via biological heredity from ancestors

synonym : legacy, estate, heritage

(1) paternal **inheritance**, (2) **inheritance** tax

His vast **inheritance** was equitably divided among the brothers.

genome

n. the complete set or sequence of genes of a human, animal, plant, or other living things

(1) sequencing of the human **genome**, (2) **genome** analyses

The human **genome** contains approximately three billion chemical base pairs.

recombine

v. to combine or put together again or differently; to cause genetic recombination (= the process by which genetic material is broken and joined to other genetic material)

(1) **recombine** at the surface, (2) ability to **recombine**

Some scientists argue that the genes in food should not be artificially **recombined**.

random

adj. made, done, or happening without method, conscious decision, or any regular pattern

synonym : incidental, arbitrary, unanticipated

(1) a **random** choice, (2) bombs fell at **random**

To find drunk drivers, police conduct **random** tests.

offspring

n. descendant; any immature animal or plant

synonym : children, descendants, heirs

(1) female **offspring**, (2) produce **offspring**

How many **offspring** does the average lion have?

rough

adj. not quite exact or correct; having or caused by an irregular surface

synonym : inelegant, coarse, barbarian

(1) **rough** and tough, (2) **rough** estimation

The vehicle bounced along the **rough** mountain road.

thwart

v. to prevent something from happening or succeeding

synonym : hinder, block, obstruct

(1) **thwart** enemy plans, (2) **thwart** attempts

He **thwarted** the thief's attempt to steal the painting.

edit

v. to prepare written material for publication by correcting, condensing, or otherwise modifying it

synonym : revise, modify, adjust

(1) **edit** a history book, (2) **edit** a video

I need to **edit** this document before submitting it to my boss.

lab

n. a workplace for the conduct of scientific research; a laboratory

synonym : workshop, laboratory, research chamber

(1) **lab** instrument, (2) medical **lab**

The Prime Minister will pay a courtesy visit to the Nobel laureate's **lab**.

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.

sterile

adj. free from living microorganisms, especially bacteria, fungi, and viruses; incapable of reproducing

synonym : clean, germ-free, hygienic

(1) **sterile** environment, (2) a **sterile** man

Surgeons must use **sterile** instruments to prevent infection during an operation.

modify

v. to change something slightly, such as a plan, option, law, etc., especially to make it more suitable for a particular purpose

synonym : adjust, alter, revise

(1) genetically **modify** food, (2) **modify** my behavior

We use adverbs to **modify** verbs and adjectives.

modification

n. the act of changing something, usually to improve it, or something changed

synonym : change, amendment, alteration

(1) a **modification** of last year's model, (2) further **modification**

As a result of this **modification**, we have revised our safety measures.

disappear

v. to cease to exist or be visible

synonym : fade, evaporate, vanish

(1) **disappear** without a trace, (2) **disappear** after a week
They watched the train **disappear** into the distance.

inherit

v. to receive money, property, or a title from someone after they have died

synonym: obtain, gain, acquire

(1) **inherit** estate, (2) **inherit** ancestral property

After his death, his sons **inherited** his business.

chromosome

n. a long and string-like DNA molecule containing the part or all of the genetic material of an organism that controls what an animal or plant is like

synonym: DNA

(1) a sex **chromosome**, (2) the end of **chromosome**

Human females normally have two X **chromosomes**.

sperm

n. the reproductive cell produced by a man or male animal

synonym: seed, semen, seminal fluid

(1) man with a low **sperm** count, (2) production of **sperm**

The male **sperm** fertilizes the female egg.

regardless

adv. not paying attention or considering something or someone even if the situation is bad or there are difficulties

synonym: anyhow, nevertheless, still

(1) **regardless** of the difficulties, (2) **regardless** tread

People can pick out superior products **regardless** of the quality of the advertising.

reproduce

v. to make a copy of something such as a picture, piece of text, music, etc.; to produce offspring through a sexual or asexual process

synonym: duplicate, breed, imitate

(1) **reproduce** the painting, (2) **reproduce** by myself

By dividing and creating copies of themselves, bacteria **reproduce**.

generation

n. all the people born and living at about the same time, regarded collectively; the production of heat or electricity

synonym: cohort, age group, era

(1) **generation** gap, (2) the **generation** of electricity

The younger **generation** has different values and beliefs than the older one.

implement

v. to put a decision, plan, or system into effect

synonym: execute, enforce, put through

(1) **implement** a corporate strategy, (2) **implement** security measures

The government promised to **implement** a new system to control the financial crisis.

decision

n. the act or process of making up someone's mind about something; a choice or judgment reached after considering options

synonym: choice, determination, judgment

(1) **decision** authority, (2) a selfish **decision**

She was struggling to make a **decision** between two job offers.

insecticide

n. a substance used to kill insects

synonym: pesticide, bug-killer, rodenticide

(1) **insecticide** spray, (2) **insecticide** residue

The farmer sprayed the crop with **insecticide** to protect it from pests.

malaria

n. a severe disease caused by a parasite that is spread by the bite of an infected mosquito

(1) **malaria** mosquitoes, (2) **malaria-endemic** area

Many people in tropical countries die from **malaria** every year.

deadly

adj. likely to cause or capable of causing death

synonym: fatal, lethal, harmful

(1) fight against the **deadly** disease, (2) a **deadly** weapon
The members of religious organizations released **deadly** poisonous gas on a subway train.

resistance

n. the act of defending oneself from an aggressor or refusing to accept something

synonym: opposition, antagonism, defiance

(1) **resistance** movement, (2) **resistance** to insulin

The bill to increase the consumption tax had passed despite much **resistance** from the public.

addition

n. the act or process of adding something to something else; the process of adding numbers

synonym: accumulation, expansion, addendum

(1) chemical **addition**, (2) **addition** of vectors

In **addition**, private corporations provide healthcare services.

vaccine

n. a substance that is put into the body and protects them from disease by causing them to produce antibodies (= proteins that attack harmful bacteria, viruses, etc.)

synonym: vaccinum

(1) development of **vaccines**, (2) an oral **vaccine**

The mRNA **vaccine** was approved in less than a year because it did not contain the fragments of the target virus.

approve

v. to think that someone or something is favorable, acceptable, or appropriate; to officially accept a plan, request, etc.

synonym: accept, authorize, agree

(1) **approve** a measures, (2) unanimously **approve** a resolution

My boss wouldn't **approve** of the plan.

specifically

adv. only associated with or meant for one thing

synonym: especially, particularly, notably

(1) designed **specifically** for men, (2) for **specifically**

American customers

This ad campaign is aimed **specifically** at young women.

instance

n. a particular example or single occurrence of something

synonym: example, sample, illustration

(1) for **instance**, (2) notable **instance**

These articles cite five **instances** of climate change.

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.

equator

n. an line of latitude that separates Earth's northern and southern hemispheres and has a radius of around 40,075 kilometers (24,901 miles)

(1) south of the **equator**, (2) above the **equator**

Ecuador is on the **equator**.

vast

adj. enormous in size, number, amount, or quantity

synonym: expansive, extended, boundless

(1) **vast** majority, (2) **vast** desert

A **vast** audience viewed the broadcast.

affected

adj. influenced; feeling or showing emotion, especially exaggerated emotion; not natural or sincere

synonym: artificial, pretentious, stilted

(1) **affected** way of walking, (2) the **affected** part

Her **affected** accent made it difficult to take her seriously.

transmission

n. the act or process of sending something from one person or place to another; the process of broadcasting over the airwaves, as in radio or television

synonym: transportation, communication, broadcast

(1) **transmission** speed, (2) the **transmission** gears of a car

Education is the **transmission** of civilization.

cycle

n. an interval during which a recurring sequence of events occurs; a bicycle or motorcycle

synonym: revolution, rotation, bike

(1) the **cycle** of the seasons, (2) go to the workplace by **cycle**

The food chain causes a material **cycle**.

release

v. to set free or allow to escape from confinement

synonym: free, let go, discharge

(1) **release** a prisoner, (2) **release** CO2 into the air

The animal rights group worked to **release** the dolphins back into the wild.

collapse

v. to fall down or give way suddenly, often after breaking apart

synonym: tumble, spill, bankruptcy

(1) the stock market **collapsed**, (2) ready to **collapse**

The roof finally **collapsed** after three days and three nights of heavy snowfall.

interbreed

v. to breed between different species or varieties

synonym: crossbreed, hybridize

(1) **interbreed** to produce hybrid offspring, (2) **interbreed** plants

Lions and tigers can **interbreed** to produce a liger.

unlikely

adj. not probable or likely to happen

synonym: doubtful, questionable, far-fetched

(1) **unlikely** event, (2) it is **unlikely** that he would win the game

The passage of the bill is **unlikely**.

ecosystem

n. all the plants and living creatures in an area and the way they affect each other and the environment

(1) marine **ecosystem**, (2) change the **ecosystem**

Human conservation efforts often fail unexpectedly because they disturb the balance of the **ecosystem**.

examine

v. to study or consider a person or object attentively and thoroughly to learn something about them

synonym: study, probe, analyze

(1) **examine** the data studiously, (2) **examine** the issue

Initially, we must **examine** all project-related expenses.

feces

n. waste matter eliminated from the bowels; excrement

synonym: poop, stool, excrement

(1) **feces** sample, (2) human **feces**

Proper disposal of **feces** is essential for maintaining public health and sanitation.

insect

n. any small creature that has six legs and a body divided into three sections

(1) **insect** antenna, (2) **insect** biology

These **insects** are more prevalent above a certain latitude.

gauge

n. an instrument for measuring and displaying the amount, level, or contents of something; (verb) to judge tentatively or form an estimate of something

synonym: measure, benchmark, judge

(1) pressure **gauge**, (2) take the **gauge** of a situation

We use various precision **gauges** in the manufacturing process of machinery.

investigate

v. to conduct a systematic or formal inquiry to identify and evaluate the facts of a crime, problem, statement, etc. to establish the truth

synonym: examine, analyze, look into

(1) **investigate** the matter, (2) **investigate** a data leak

The committee **investigated** several apparent

inconsistencies.

suppress

v. to bring something under control by force or authority; to put an end by force

synonym: subdue, bury, stifle

(1) **suppress** a yawn, (2) **suppress** a revolt

The doctor prescribed medication to **suppress** the patient's appetite.

vulnerable

adj. capable of being hurt or influenced physically or mentally

synonym: susceptible, exposed, weak

(1) a **vulnerable** bridge, (2) **vulnerable** parts of the body

Infants and pregnant women are particularly **vulnerable**.

niche

n. a specialized role or position that a species occupies within an ecosystem; a job or position particularly well suited to the person who occupies it

synonym: role, position, habitat

(1) **niche** market, (2) every **niche** of society

The species occupies a unique **niche** in the ecosystem as a top predator.

occupy

v. to consume all of someone's space, attention, or time

synonym: inhabit, settle, populate

(1) **occupy** his time, (2) **occupy** a position

The young prince will soon **occupy** the throne.

explore

v. to travel to or penetrate an area or a country to learn about it; to thoroughly examine a subject or a possibility to learn more about it

synonym: analyze, delve into, examine

(1) **explore** the world, (2) **explore** our options

The management must **explore** strategies to increase office security.

alternative

n. one of two or more available possibilities or choice
synonym : choice, option

(1) an **alternative** plan, (2) there is no other **alternative**
Doctors are gradually coming around to the idea of using **alternative** medicines.

resistant

adj. not affected by something, especially changes or new ideas; of or relating to immunity to disease or infection
synonym : unsusceptible, immune, invulnerable

(1) penicillin- **resistant** bacteria, (2) **resistant** to persuasion
Insects in urban areas are becoming **resistant** to insecticides.

parasite

n. an organism that lives on or in another organism and benefits by deriving nutrients at the other's expense
synonym : hitchhiker, leech, saprophyte

(1) blood-sucking **parasite**, (2) **parasite** disease
Tapeworms are **parasites** that live in the intestines of humans and animals.

countermeasure

n. an action taken to counter or offset another action
synonym : response, remedy, antidote

(1) **countermeasure** strategy, (2) **countermeasure** plan
The government implemented several **countermeasures** to combat the spread of the virus.

reverse

v. to change something's direction, order, position, decision, etc., to the opposite one; (adjective) directed or moving toward the rear

synonym : overturn, shift, switch

(1) **reverse** the trend, (2) **reverse** the order
The restaurant **reversed** a ban on smoking.

halt

v. to bring or come to a stop; to force to stop moving or operating

synonym : stop, cease, terminate

(1) **halt** production, (2) **halt** progress
The train came to a **halt** at the station.

consequence

n. the outcome of a particular action or event, especially relative to an individual

synonym : result, impact, outcome

(1) unintended **consequences**, (2) the **consequence** of an argument

These economic activities had disastrous environmental **consequences**.

decide

v. to make up someone's mind about something; to come to a conclusion or judgment after considering options

synonym : choose, determine, settle

(1) **decide** a question, (2) **decide** on a course of action

She couldn't **decide** whether to order the pizza or the pasta for dinner.

essential

adj. indispensable; fundamental

synonym : critical, crucial, basic

(1) **essential** amino acid, (2) **essential** commodities of life

Trial and error is an **essential** part of education.

communal

adj. belonging to or used by a group rather than individuals; for common use

synonym : collaborative, combined, collective

(1) **communal** swimming pool, (2) **communal** combination of funds

Communal elections were held in several European countries.

regulator

n. a person or thing that controls or balances something; a person or an organization that is responsible for control and supervision of a particular activity or area of public interest

synonym : controller, supervisor, monitor

(1) **regulator** body, (2) a speed **regulator**

The financial industry **regulator** was responsible for ensuring that companies followed the laws.

government

n. the group of people with authority to control a country or state

synonym: administration, regime, state

(1) **government** bureaucracy, (2) **government** funding

The federal **government** is planning to increase taxes for the next fiscal year.

involve

v. to include or affect someone or something as a necessary part of something else

synonym: implicate, include, engage

(1) **involve** a lot of paperwork, (2) **involve** a high degree of risk

The investigation **involves** several government agencies and is expected to take several months.

decision-maker

n. a person who makes important decisions, especially at a high level in an organization

(1) policy **decision-maker**, (2) act as a **decision-maker**

A wealth of information does not always have a positive impact on **decision-makers**.

conversation

n. an informal talk between two or more people to exchange their views, ideas, information, etc.

synonym: chat, discussion, dialogue

(1) **conversation** in English, (2) a friendly **conversation**

Your **conversation** reflects your thoughts.

underway

adj. having started and currently in progress

synonym: afoot, ongoing, in motion

(1) just getting **underway**, (2) campaign now **underway**

This project has been **underway** for several years.

ethical

adj. of or relating to principles about what is right and wrong, or the branch of knowledge dealing with these

synonym: honorable, moral, virtuous

(1) an **ethical** doctrine, (2) shoulder **ethical** responsibility

The president must have the highest **ethical** standards.

Session 2: Spelling

1. just getting un_____ay *adj.* having started and currently in progress
2. re_____e the order *v.* to change something's direction, order, position, decision, etc., to the opposite one; (adjective) directed or moving toward the rear
3. gov_____nt funding *n.* the group of people with authority to control a country or state
4. a st_____e man *adj.* free from living microorganisms, especially bacteria, fungi, and viruses; incapable of reproducing
5. a sex chr_____me *n.* a long and string-like DNA molecule containing the part or all of the genetic material of an organism that controls what an animal or plant is like
6. the end of chr_____me *n.* a long and string-like DNA molecule containing the part or all of the genetic material of an organism that controls what an animal or plant is like
7. tr_____it the disease *v.* to send or forward an electronic signal; to pass something from one person or thing to another
8. female of_____ng *n.* descendant; any immature animal or plant
9. the_____al physicist *adj.* relating to the concepts and principles upon which a particular topic is founded, rather than practice and experience

ANSWERS: 1. underway, 2. reverse, 3. government, 4. sterile, 5. chromosome, 6. chromosome, 7. transmit, 8. offspring, 9. theoretical

10. an et____l doctrine *adj.* of or relating to principles about what is right and wrong, or the branch of knowledge dealing with these
11. re____ce by myself *v.* to make a copy of something such as a picture, piece of text, music, etc.; to produce offspring through a sexual or asexual process
12. tra____ion speed *n.* the act or process of sending something from one person or place to another; the process of broadcasting over the airwaves, as in radio or television
13. production of sp__m *n.* the reproductive cell produced by a man or male animal
14. go to the workplace by cy__e *n.* an interval during which a recurring sequence of events occurs; a bicycle or motorcycle
15. ready to co____se *v.* to fall down or give way suddenly, often after breaking apart
16. g__e expression *n.* the fundamental unit of heredity and the sequence of nucleotides in DNA that codes for the creation of RNA or protein.
17. it is un____ly that he would win the game *adj.* not probable or likely to happen
18. sequencing of the human ge____e *n.* the complete set or sequence of genes of a human, animal, plant, or other living things
19. a selfish de____on *n.* the act or process of making up someone's mind about something; a choice or judgment reached after considering options

ANSWERS: 10. ethical, 11. reproduce, 12. transmission, 13. sperm, 14. cycle, 15. collapse, 16. gene, 17. unlikely, 18. genome, 19. decision

20. a speed re_____or
21. south of the eq_____r
22. re_____ce the painting
23. medical l_b
24. cou_____ure plan
25. int_____ed to produce hybrid offspring
26. ins_____de spray
27. a friendly con_____ion
28. im_____nt security measures
29. ni__e market
- n.* a person or thing that controls or balances something; a person or an organization that is responsible for control and supervision of a particular activity or area of public interest
- n.* an line of latitude that separates Earth's northern and southern hemispheres and has a radius of around 40,075 kilometers (24,901 miles)
- v.* to make a copy of something such as a picture, piece of text, music, etc.; to produce offspring through a sexual or asexual process
- n.* a workplace for the conduct of scientific research; a laboratory
- n.* an action taken to counter or offset another action
- v.* to breed between different species or varieties
- n.* a substance used to kill insects
- n.* an informal talk between two or more people to exchange their views, ideas, information, etc.
- v.* to put a decision, plan, or system into effect
- n.* a specialized role or position that a species occupies within an ecosystem; a job or position particularly well suited to the person who occupies it

ANSWERS: 20. regulator, 21. equator, 22. reproduce, 23. lab, 24. countermeasure, 25. interbreed, 26. insecticide, 27. conversation, 28. implement, 29. niche

30. human fe__s *n.* waste matter eliminated from the bowels; excrement
31. e__t a history book *v.* to prepare written material for publication by correcting, condensing, or otherwise modifying it
32. ad_____on of vectors *n.* the act or process of adding something to something else; the process of adding numbers
33. shoulder et_____l responsibility *adj.* of or relating to principles about what is right and wrong, or the branch of knowledge dealing with these
34. af_____ed way of walking *adj.* influenced; feeling or showing emotion, especially exaggerated emotion; not natural or sincere
35. in___t antenna *n.* any small creature that has six legs and a body divided into three sections
36. tr_____it information *v.* to send or forward an electronic signal; to pass something from one person or thing to another
37. unintended con_____ces *n.* the outcome of a particular action or event, especially relative to an individual
38. gr_____e with each other *v.* to make a strenuous effort to solve a problem; to engage in a close fight or conflict without weapons
39. in_____t estate *v.* to receive money, property, or a title from someone after they have died
40. re_____ne at the surface *v.* to combine or put together again or differently; to cause genetic recombination (= the process by which genetic material is broken and joined to other genetic material)

ANSWERS: 30. feces, 31. edit, 32. addition, 33. ethical, 34. affected, 35. insect, 36. transmit, 37. consequence, 38. grapple, 39. inherit, 40. recombine

41. 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
42. gen_____on gap *n.* all the people born and living at about the same time, regarded collectively; the production of heat or electricity
43. an alt_____ve plan *n.* one of two or more available possibilities or choice
44. an oral va_____e *n.* a substance that is put into the body and protects them from disease by causing them to produce antibodies (= proteins that attack harmful bacteria, viruses, etc.)
45. campaign now un_____ay *adj.* having started and currently in progress
46. pa_____te disease *n.* an organism that lives on or in another organism and benefits by deriving nutrients at the other's expense
47. int_____ed plants *v.* to breed between different species or varieties
48. reg_____ss of the difficulties *adv.* not paying attention or considering something or someone even if the situation is bad or there are difficulties
49. in_____e a lot of paperwork *v.* to include or affect someone or something as a necessary part of something else
50. the_____al models *adj.* relating to the concepts and principles upon which a particular topic is founded, rather than practice and experience

ANSWERS: 41. overwhelm, 42. generation, 43. alternative, 44. vaccine, 45. underway, 46. parasite, 47. interbreed, 48. regardless, 49. involve, 50. theoretical

51. ma____a mosquitoes *n.* a severe disease caused by a parasite that is spread by the bite of an infected mosquito
52. designed spe_____lly for men *adv.* only associated with or meant for one thing
53. su_____ss a revolt *v.* to bring something under control by force or authority; to put an end by force
54. there is no other alt_____ve *n.* one of two or more available possibilities or choice
55. co_____al swimming pool *adj.* belonging to or used by a group rather than individuals; for common use
56. mo____y my behavior *v.* to change something slightly, such as a plan, option, law, etc., especially to make it more suitable for a particular purpose
57. chemical ad_____on *n.* the act or process of adding something to something else; the process of adding numbers
58. th____t enemy plans *v.* to prevent something from happening or succeeding
59. re_____nt to persuasion *adj.* not affected by something, especially changes or new ideas; of or relating to immunity to disease or infection
60. r_d the body of waste products *v.* to make someone or something free of unwanted or unpleasant tasks, objects, or person
61. inh_____ce tax *n.* the money, property, etc., that someone gives you when they die; (genetics) attributes acquired via biological heredity from ancestors

ANSWERS: 51. malaria, 52. specifically, 53. suppress, 54. alternative, 55. communal, 56. modify, 57. addition, 58. thwart, 59. resistant, 60. rid, 61. inheritance

62. st_____e environment *adj.* free from living microorganisms, especially bacteria, fungi, and viruses; incapable of reproducing
63. co_____t a background check *v.* to organize and carry out a particular activity
64. oc_____y his time *v.* to consume all of someone's space, attention, or time
65. ex_____e the data studiously *v.* to study or consider a person or object attentively and thoroughly to learn something about them
66. unanimously ap_____e a resolution *v.* to think that someone or something is favorable, acceptable, or appropriate; to officially accept a plan, request, etc.
67. for spe_____lly American customers *adv.* only associated with or meant for one thing
68. th_____t attempts *v.* to prevent something from happening or succeeding
69. co_____t research *v.* to organize and carry out a particular activity
70. res_____ce movement *n.* the act of defending oneself from an aggressor or refusing to accept something
71. development of va_____es *n.* a substance that is put into the body and protects them from disease by causing them to produce antibodies (= proteins that attack harmful bacteria, viruses, etc.)
72. 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: 62. sterile, 63. conduct, 64. occupy, 65. examine, 66. approve, 67. specifically, 68. thwart, 69. conduct, 70. resistance, 71. vaccine, 72. overwhelm

73. vul_____le parts of the body *adj.* capable of being hurt or influenced physically or mentally
74. de_____on authority *n.* the act or process of making up someone's mind about something; a choice or judgment reached after considering options
75. co_____al combination of funds *adj.* belonging to or used by a group rather than individuals; for common use
76. in____t biology *n.* any small creature that has six legs and a body divided into three sections
77. get r_d of the rats *v.* to make someone or something free of unwanted or unpleasant tasks, objects, or person
78. the pa_____en in the air *n.* a bacterium, virus, or other microorganism that causes disease
79. su_____ss a yawn *v.* to bring something under control by force or authority; to put an end by force
80. policy dec_____ker *n.* a person who makes important decisions, especially at a high level in an organization
81. man with a low sp__m count *n.* the reproductive cell produced by a man or male animal
82. act as a dec_____ker *n.* a person who makes important decisions, especially at a high level in an organization
83. le____l injection *adj.* causing or capable of causing death; extremely dangerous
84. the gen_____on of electricity *n.* all the people born and living at about the same time, regarded collectively; the production of heat or electricity

ANSWERS: 73. vulnerable, 74. decision, 75. communal, 76. insect, 77. rid, 78. pathogen, 79. suppress, 80. decision-maker, 81. sperm, 82. decision-maker, 83. lethal, 84. generation

85. v__t majority *adj.* enormous in size, number, amount, or quantity
86. produce of _____ng *n.* descendant; any immature animal or plant
87. re_____e a prisoner *v.* to set free or allow to escape from confinement
88. de___e on a course of action *v.* to make up someone's mind about something; to come to a conclusion or judgment after considering options
89. reg_____ss tread *adv.* not paying attention or considering something or someone even if the situation is bad or there are difficulties
90. cou_____ure strategy *n.* an action taken to counter or offset another action
91. h__t production *v.* to bring or come to a stop; to force to stop moving or operating
92. plant pa_____en *n.* a bacterium, virus, or other microorganism that causes disease
93. ap_____e a measures *v.* to think that someone or something is favorable, acceptable, or appropriate; to officially accept a plan, request, etc.
94. ro__h and tough *adj.* not quite exact or correct; having or caused by an irregular surface
95. res_____le for a customer service *adj.* answerable or accountable for something within one's power, control, or management
96. genetically mo___y food *v.* to change something slightly, such as a plan, option, law, etc., especially to make it more suitable for a particular purpose

ANSWERS: 85. vast, 86. offspring, 87. release, 88. decide, 89. regardless, 90. countermeasure, 91. halt, 92. pathogen, 93. approve, 94. rough, 95. responsible, 96. modify

97. v__t desert *adj.* enormous in size, number, amount, or quantity
98. above the eq____r *n.* an line of latitude that separates Earth's northern and southern hemispheres and has a radius of around 40,075 kilometers (24,901 miles)
99. es_____al amino acid *adj.* indispensable; fundamental
100. h__t progress *v.* to bring or come to a stop; to force to stop moving or operating
101. the cy__e of the seasons *n.* an interval during which a recurring sequence of events occurs; a bicycle or motorcycle
102. res_____le action *adj.* answerable or accountable for something within one's power, control, or management
103. marine ec_____em *n.* all the plants and living creatures in an area and the way they affect each other and the environment
104. res_____ce to insulin *n.* the act of defending oneself from an aggressor or refusing to accept something
105. e__t a video *v.* to prepare written material for publication by correcting, condensing, or otherwise modifying it
106. the con_____ce of an argument *n.* the outcome of a particular action or event, especially relative to an individual
107. re_____e CO2 into the air *v.* to set free or allow to escape from confinement

ANSWERS: 97. vast, 98. equator, 99. essential, 100. halt, 101. cycle, 102. responsible, 103. ecosystem, 104. resistance, 105. edit, 106. consequence, 107. release

108. fe__s sample *n.* waste matter eliminated from the bowels; excrement
109. inv_____te a data leak *v.* to conduct a systematic or formal inquiry to identify and evaluate the facts of a crime, problem, statement, etc. to establish the truth
110. 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)
111. es_____al commodities of life *adj.* indispensable; fundamental
112. pressure ga__e *n.* an instrument for measuring and displaying the amount, level, or contents of something; (verb) to judge tentatively or form an estimate of something
113. mo_____to repellent *n.* a small flying insect whose female bites people and animals and sucks their blood, and sometimes transmits serious diseases such as malaria
114. change the ec_____em *n.* all the plants and living creatures in an area and the way they affect each other and the environment
115. a mod_____ion of last year's model *n.* the act of changing something, usually to improve it, or something changed
116. the stock market co_____sed *v.* to fall down or give way suddenly, often after breaking apart
117. ro__h estimation *adj.* not quite exact or correct; having or caused by an irregular surface

ANSWERS: 108. feces, 109. investigate, 110. inject, 111. essential, 112. gauge, 113. mosquito, 114. ecosystem, 115. modification, 116. collapse, 117. rough

118. inv_____te the matter *v.* to conduct a systematic or formal inquiry to identify and evaluate the facts of a crime, problem, statement, etc. to establish the truth
119. un_____ly event *adj.* not probable or likely to happen
120. g__e cloning *n.* the fundamental unit of heredity and the sequence of nucleotides in DNA that codes for the creation of RNA or protein.
121. mo_____to bite *n.* a small flying insect whose female bites people and animals and sucks their blood, and sometimes transmits serious diseases such as malaria
122. ability to re_____ne *v.* to combine or put together again or differently; to cause genetic recombination (= the process by which genetic material is broken and joined to other genetic material)
123. oc___y a position *v.* to consume all of someone's space, attention, or time
124. de___e a question *v.* to make up someone's mind about something; to come to a conclusion or judgment after considering options
125. exp_____nt design *n.* the scientific test conducted to observe what happens and gain new knowledge
126. fight against the de___y disease *adj.* likely to cause or capable of causing death
127. the tra_____ion gears of a car *n.* the act or process of sending something from one person or place to another; the process of broadcasting over the airwaves, as in radio or television

ANSWERS: 118. investigate, 119. unlikely, 120. gene, 121. mosquito, 122. recombine, 123. occupy, 124. decide, 125. experiment, 126. deadly, 127. transmission

128. im_____nt a corporate strategy *v.* to put a decision, plan, or system into effect
129. the af_____ed part *adj.* influenced; feeling or showing emotion, especially exaggerated emotion; not natural or sincere
130. l_b instrument *n.* a workplace for the conduct of scientific research; a laboratory
131. le____l weapon *adj.* causing or capable of causing death; extremely dangerous
132. re_____or body *n.* a person or thing that controls or balances something; a person or an organization that is responsible for control and supervision of a particular activity or area of public interest
133. a vul_____le bridge *adj.* capable of being hurt or influenced physically or mentally
134. series of exp_____nts *n.* the scientific test conducted to observe what happens and gain new knowledge
135. bombs fell at ra____m *adj.* made, done, or happening without method, conscious decision, or any regular pattern
136. paternal inh_____ce *n.* the money, property, etc., that someone gives you when they die; (genetics) attributes acquired via biological heredity from ancestors
137. blood-sucking pa_____te *n.* an organism that lives on or in another organism and benefits by deriving nutrients at the other's expense
138. notable in_____ce *n.* a particular example or single occurrence of something

ANSWERS: 128. implement, 129. affected, 130. lab, 131. lethal, 132. regulator, 133. vulnerable, 134. experiment, 135. random, 136. inheritance, 137. parasite, 138. instance

139. a ra___m choice *adj.* made, done, or happening without method, conscious decision, or any regular pattern
140. further mod_____ion *n.* the act of changing something, usually to improve it, or something changed
141. every ni__e of society *n.* a specialized role or position that a species occupies within an ecosystem; a job or position particularly well suited to the person who occupies it
142. for in_____ce *n.* a particular example or single occurrence of something
143. in_____t ancestral property *v.* to receive money, property, or a title from someone after they have died
144. con_____ion in English *n.* an informal talk between two or more people to exchange their views, ideas, information, etc.
145. en_____er shortage *n.* a person whose job is designing, building, or maintaining something such as machines, structures, or software
146. ex_____e the world *v.* to travel to or penetrate an area or a country to learn about it; to thoroughly examine a subject or a possibility to learn more about it
147. ma_____a-endemic area *n.* a severe disease caused by a parasite that is spread by the bite of an infected mosquito
148. in_____e a high degree of risk *v.* to include or affect someone or something as a necessary part of something else

ANSWERS: 139. random, 140. modification, 141. niche, 142. instance, 143. inherit, 144. conversation, 145. engineer, 146. explore, 147. malaria, 148. involve

149. ge___e analyses *n.* the complete set or sequence of genes of a human, animal, plant, or other living things
150. di_____ar after a week *v.* to cease to exist or be visible
151. gov_____nt bureaucracy *n.* the group of people with authority to control a country or state
152. ex_____e our options *v.* to travel to or penetrate an area or a country to learn about it; to thoroughly examine a subject or a possibility to learn more about it
153. di_____ar without a trace *v.* to cease to exist or be visible
154. 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)
155. ins_____de residue *n.* a substance used to kill insects
156. a de___y weapon *adj.* likely to cause or capable of causing death
157. penicillin-re_____nt bacteria *adj.* not affected by something, especially changes or new ideas; of or relating to immunity to disease or infection
158. gr_____e with problem *v.* to make a strenuous effort to solve a problem; to engage in a close fight or conflict without weapons
159. re_____e the trend *v.* to change something's direction, order, position, decision, etc., to the opposite one; (adjective) directed or moving toward the rear

ANSWERS: 149. genome, 150. disappear, 151. government, 152. explore, 153. disappear, 154. inject, 155. insecticide, 156. deadly, 157. resistant, 158. grapple, 159. reverse

160. take the ga__e of a situation *n.* an instrument for measuring and displaying the amount, level, or contents of something; (verb) to judge tentatively or form an estimate of something
161. a civil en____er *n.* a person whose job is designing, building, or maintaining something such as machines, structures, or software
162. ex____e the issue *v.* to study or consider a person or object attentively and thoroughly to learn something about them

ANSWERS: 160. gauge, 161. engineer, 162. examine

Session 3: Fill in the Blanks

1. How many _____ does the average lion have?
n. descendant; any immature animal or plant

2. Tapeworms are _____ that live in the intestines of humans and animals.
n. an organism that lives on or in another organism and benefits by deriving nutrients at the other's expense

3. His _____ showed highly positive results.
n. the scientific test conducted to observe what happens and gain new knowledge

4. Doctors are gradually coming around to the idea of using _____ medicines.
n. one of two or more available possibilities or choice

5. Surgeons must use _____ instruments to prevent infection during an operation.
adj. free from living microorganisms, especially bacteria, fungi, and viruses; incapable of reproducing

6. This project has been _____ for several years.
adj. having started and currently in progress

7. The mRNA _____ was approved in less than a year because it did not contain the fragments of the target virus.
n. a substance that is put into the body and protects them from disease by causing them to produce antibodies (= proteins that attack harmful bacteria, viruses, etc.)

ANSWERS: 1. offspring, 2. parasites, 3. experiments, 4. alternative, 5. sterile, 6. underway, 7. vaccine

8. Human conservation efforts often fail unexpectedly because they disturb the balance of the _____.
- n.* all the plants and living creatures in an area and the way they affect each other and the environment
9. The members of religious organizations released _____ poisonous gas on a subway train.
- adj.* likely to cause or capable of causing death
10. The food chain causes a material _____.
- n.* an interval during which a recurring sequence of events occurs; a bicycle or motorcycle
11. These _____ are more prevalent above a certain latitude.
- n.* any small creature that has six legs and a body divided into three sections
12. Her _____ accent made it difficult to take her seriously.
- adj.* influenced; feeling or showing emotion, especially exaggerated emotion; not natural or sincere
13. My boss wouldn't _____ of the plan.
- v.* to think that someone or something is favorable, acceptable, or appropriate; to officially accept a plan, request, etc.
14. Malignant hypertension is the most _____ form of hypertension.
- adj.* causing or capable of causing death; extremely dangerous
15. The investigation _____ several government agencies and is expected to take several months.
- v.* to include or affect someone or something as a necessary part of something else

ANSWERS: 8. ecosystem, 9. deadly, 10. cycle, 11. insects, 12. affected, 13. approve, 14. lethal, 15. involves

16. They watched the train _____ into the distance.

v. to cease to exist or be visible

17. The _____ will repair my telephone tomorrow morning.

n. a person whose job is designing, building, or maintaining something such as machines, structures, or software

18. Your _____ reflects your thoughts.

n. an informal talk between two or more people to exchange their views, ideas, information, etc.

19. After his death, his sons _____ his business.

v. to receive money, property, or a title from someone after they have died

20. The restaurant _____ a ban on smoking.

v. to change something's direction, order, position, decision, etc., to the opposite one; (adjective) directed or moving toward the rear

21. Parents often _____ their characteristics to their children.

v. to send or forward an electronic signal; to pass something from one person or thing to another

22. To find drunk drivers, police conduct _____ tests.

adj. made, done, or happening without method, conscious decision, or any regular pattern

23. Human females normally have two X _____.

n. a long and string-like DNA molecule containing the part or all of the genetic material of an organism that controls what an animal or plant is like

ANSWERS: 16. disappear, 17. engineer, 18. conversation, 19. inherited, 20. reversed, 21. transmit, 22. random, 23. chromosomes

24. The vehicle bounced along the _____ mountain road.

adj. not quite exact or correct; having or caused by an irregular surface

25. A _____ audience viewed the broadcast.

adj. enormous in size, number, amount, or quantity

26. Insects in urban areas are becoming _____ to insecticides.

adj. not affected by something, especially changes or new ideas; of or relating to immunity to disease or infection

27. These articles cite five _____ of climate change.

n. a particular example or single occurrence of something

28. Some scientists argue that the genes in food should not be artificially _____.

v. to combine or put together again or differently; to cause genetic recombination (= the process by which genetic material is broken and joined to other genetic material)

29. Initially, we must _____ all project-related expenses.

v. to study or consider a person or object attentively and thoroughly to learn something about them

30. Infants and pregnant women are particularly _____.

adj. capable of being hurt or influenced physically or mentally

31. We use various precision _____ in the manufacturing process of machinery.

n. an instrument for measuring and displaying the amount, level, or contents of something; (verb) to judge tentatively or form an estimate of something

ANSWERS: 24. rough, 25. vast, 26. resistant, 27. instances, 28. recombined, 29. examine, 30. vulnerable, 31. gauges

32. A stagnant water area are breeding ground for _____.
- n.* a small flying insect whose female bites people and animals and sucks their blood, and sometimes transmits serious diseases such as malaria
33. The financial industry _____ was responsible for ensuring that companies followed the laws.
- n.* a person or thing that controls or balances something; a person or an organization that is responsible for control and supervision of a particular activity or area of public interest
34. He _____ the thief's attempt to steal the painting.
- v.* to prevent something from happening or succeeding
35. I need to _____ this document before submitting it to my boss.
- v.* to prepare written material for publication by correcting, condensing, or otherwise modifying it
36. The young prince will soon _____ the throne.
- v.* to consume all of someone's space, attention, or time
37. By dividing and creating copies of themselves, bacteria _____.
- v.* to make a copy of something such as a picture, piece of text, music, etc.; to produce offspring through a sexual or asexual process
38. She was struggling to make a _____ between two job offers.
- n.* the act or process of making up someone's mind about something; a choice or judgment reached after considering options
39. The passage of the bill is _____.
- adj.* not probable or likely to happen

ANSWERS: 32. mosquitos, 33. regulator, 34. thwarted, 35. edit, 36. occupy, 37. reproduce, 38. decision, 39. unlikely

40. People can pick out superior products _____ of the quality of the advertising.
- adv.* not paying attention or considering something or someone even if the situation is bad or there are difficulties
41. The government promised to _____ a new system to control the financial crisis.
- v.* to put a decision, plan, or system into effect
42. The bill to increase the consumption tax had passed despite much _____ from the public.
- n.* the act of defending oneself from an aggressor or refusing to accept something
43. The farmer sprayed the crop with _____ to protect it from pests.
- n.* a substance used to kill insects
44. The doctor prescribed medication to _____ the patient's appetite.
- v.* to bring something under control by force or authority; to put an end by force
45. She's a _____ pet owner who ensures her dog gets enough exercise and a healthy diet.
- adj.* answerable or accountable for something within one's power, control, or management
46. Many people in tropical countries die from _____ every year.
- n.* a severe disease caused by a parasite that is spread by the bite of an infected mosquito
47. Ecuador is on the _____.
- n.* an line of latitude that separates Earth's northern and southern hemispheres and has a radius of around 40,075 kilometers (24,901 miles)

ANSWERS: 40. regardless, 41. implement, 42. resistance, 43. insecticide, 44. suppress, 45. responsible, 46. malaria, 47. equator

48. Lions and tigers can _____ to produce a liger.
v. to breed between different species or varieties
49. Proper disposal of _____ is essential for maintaining public health and sanitation.
n. waste matter eliminated from the bowels; excrement
50. The federal _____ is planning to increase taxes for the next fiscal year.
n. the group of people with authority to control a country or state
51. The management must _____ strategies to increase office security.
v. to travel to or penetrate an area or a country to learn about it; to thoroughly examine a subject or a possibility to learn more about it
52. The younger _____ has different values and beliefs than the older one.
n. all the people born and living at about the same time, regarded collectively; the production of heat or electricity
53. _____ elections were held in several European countries.
adj. belonging to or used by a group rather than individuals; for common use
54. Education is the _____ of civilization.
n. the act or process of sending something from one person or place to another; the process of broadcasting over the airwaves, as in radio or television
55. His vast _____ was equitably divided among the brothers.
n. the money, property, etc., that someone gives you when they die; (genetics) attributes acquired via biological heredity from ancestors

ANSWERS: 48. interbreed, 49. feces, 50. government, 51. explore, 52. generation, 53. Communal, 54. transmission, 55. inheritance

56. The animal rights group worked to _____ the dolphins back into the wild.
v. to set free or allow to escape from confinement
57. A wealth of information does not always have a positive impact on _____.
n. a person who makes important decisions, especially at a high level in an organization
58. Trial and error is an _____ part of education.
adj. indispensable; fundamental
59. In _____ private corporations provide healthcare services.
n. the act or process of adding something to something else; the process of adding numbers
60. The roof finally _____ after three days and three nights of heavy snowfall.
v. to fall down or give way suddenly, often after breaking apart
61. Police will _____ random breath testing for drunk driving.
v. to organize and carry out a particular activity
62. This ad campaign is aimed _____ at young women.
adv. only associated with or meant for one thing
63. He needed to _____ with structural reforms to improve the company's revenue.
v. to make a strenuous effort to solve a problem; to engage in a close fight or conflict without weapons

ANSWERS: 56. release, 57. decision-makers, 58. essential, 59. addition, 60. collapsed, 61. conduct, 62. specifically, 63. grapple

64. The species occupies a unique _____ in the ecosystem as a top predator.
- n.* a specialized role or position that a species occupies within an ecosystem; a job or position particularly well suited to the person who occupies it
65. The train came to a _____ at the station.
- v.* to bring or come to a stop; to force to stop moving or operating
66. The government implemented several _____ to combat the spread of the virus.
- n.* an action taken to counter or offset another action
67. 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
68. The male _____ fertilizes the female egg.
- n.* the reproductive cell produced by a man or male animal
69. She couldn't _____ whether to order the pizza or the pasta for dinner.
- v.* to make up someone's mind about something; to come to a conclusion or judgment after considering options
70. These economic activities had disastrous environmental _____.
- n.* the outcome of a particular action or event, especially relative to an individual
71. We use adverbs to _____ verbs and adjectives.
- v.* to change something slightly, such as a plan, option, law, etc., especially to make it more suitable for a particular purpose

ANSWERS: 64. niche, 65. halt, 66. countermeasures, 67. overwhelm, 68. sperm, 69. decide, 70. consequences, 71. modify

72. We must ____ ourselves of pollution.

- v.* to make someone or something free of unwanted or unpleasant tasks, objects, or person

73. The president must have the highest _____ standards.

- adj.* of or relating to principles about what is right and wrong, or the branch of knowledge dealing with these

74. The committee _____ several apparent inconsistencies.

- v.* to conduct a systematic or formal inquiry to identify and evaluate the facts of a crime, problem, statement, etc. to establish the truth

75. mRNA vaccines are approved faster because they do not contain inactivated _____.

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

76. 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)

77. A defective ____ is responsible for the disease.

- n.* the fundamental unit of heredity and the sequence of nucleotides in DNA that codes for the creation of RNA or protein.

78. The Prime Minister will pay a courtesy visit to the Nobel laureate's ____.

- n.* a workplace for the conduct of scientific research; a laboratory

79. Absolute zero is the lowest _____ temperature.

- adj.* relating to the concepts and principles upon which a particular topic is founded, rather than practice and experience

ANSWERS: 72. rid, 73. ethical, 74. investigated, 75. pathogens, 76. inject, 77. gene, 78. lab, 79. theoretical

80. As a result of this _____ we have revised our safety measures.

n. the act of changing something, usually to improve it, or something changed

81. The human _____ contains approximately three billion chemical base pairs.

n. the complete set or sequence of genes of a human, animal, plant, or other living things

ANSWERS: 80. modification, 81. genome