

Englist.me



Vocabulary Builder Reference from...

TED-Ed: The 4 greatest threats to the survival of humanity | TED Talk

https://www.ted.com/talks/ted_ed_the_4_greatest_threats_to_the_survival_of_humanity

All Words

IMPORTANT

This material is a commentary and does not contain any copyrighted material of the reference source. We strongly recommend accessing/buying the reference source at the same time.

Session 1: Word List

detect

v. to find or recognize something, especially something difficult to see, hear, etc.

synonym : catch, observe, notice

(1) **detect** a bad event, (2) **detect** smuggling across borders
The security camera has **detected** four intruders.

nuclear

adj. of or relating to or constituting the nucleus of an atom; deriving destructive energy from the release of atomic energy

synonym : atomic

(1) **nuclear** fusion, (2) use of **nuclear** power

Many countries have now agreed to a treaty banning the use of **nuclear** weapons.

missile

n. a weapon, such as a rocket or guided projectile, that is self-propelled and directed by remote control or by an internal guidance mechanism

synonym : projectile, rocket, bomb

(1) **missile** defense, (2) cruise **missile** attack

The military launched a ballistic **missile** at the enemy's stronghold.

alert

v. to warn or arouse to a sense of danger; (adjective) paying close attention or being in a state of readiness for action

synonym : warn, inform, (adjective) vigilant

(1) **alert** consumers to the dangers, (2) **alert** system

The company's cybersecurity team **alerted** the CEO to potential threats.

president

n. the leader of a republic, for example, the US; the person in charge of the organization such as a company, university, club, etc.

synonym : leader, CEO, chairperson

(1) **president** emeritus, (2) vice- **president** for finance

The club **president** does not have absolute power.

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.

strike

v. to wallop somebody or something with the hand, fist, or weapon; to have an emotional or cognitive impact upon

synonym : hit, impact, influence

(1) **strike** up a conversation, (2) **strike** a blow

We **strike** to achieve more wages and safer working conditions.

contradict

v. to deny the truth of a statement by stating the opposite; to be in conflict with

synonym : conflict, oppose, belie

(1) **contradict** each other, (2) **contradict** the principle

The book contains numerous statements that **contradict** previous reports.

initial

adj. of or happening at the beginning; (noun) the first letter of a word, especially a person's name

synonym : basic, primary, beginning

(1) **initial** velocity, (2) an **initial** letter

They took the **initial** step toward reconciliation.

warn

v. to make someone aware of potential danger or difficulty, particularly one that may occur in the future

synonym : alert, caution, admonish

(1) **warn** a reckless driver, (2) **warned** me of the plan

I attempted to **warn** him, but he ignored me.

massive

adj. enormous amount; very heavy and solid

synonym : enormous, giant, immense

(1) **massive** amounts, (2) **massive** stars

The recent economic downturn has resulted in **massive** layoffs.

rocket

n. a large tube-shaped object that moves very fast by a stream of gases let out behind it, used for space travel or as a weapon

synonym : projectile, missile

(1) **rocket** attack against the enemy, (2) **rocket** fuel

The **rocket** launch platform is visible from this hill.

incident

n. an event or occurrence, often unexpected or unplanned; something that happens

synonym : event, occurrence, accident

(1) traffic **incident**, (2) security **incident**

The **incident** at the airport caused a delay in my flight.

nevertheless

adv. in spite of that; yet

synonym : nonetheless, yet, still

(1) keep working **nevertheless**, (2) **nevertheless**, she persevered

She was tired and hungry, but **nevertheless**, she

persevered.

ignite

v. to set on fire; to cause to start burning

synonym : light, set fire to, ignite

(1) **ignite** a boom, (2) **ignite** passion

He **ignited** the fireworks with a single spark.

invention

n. the creation of a new device or process resulting from study and experimentation; the act of inventing

synonym : creation, design, innovation

(1) the **invention** of new techniques, (2) common **invention**

Necessity is the mother of **invention**.

atomic

adj. of or relating to atom (= the smallest component of an element)

synonym : tiny, microscopic, nuclear

(1) **atomic** nucleus, (2) **atomic** bomb

Carbon has an **atomic** mass of 12.

bomb

n. a weapon that explodes and is used to kill or injure people or to cause damage to something

synonym : missile, explosive, ammunition

(1) atomic **bombs**, (2) disarm the **bomb**

The use of cluster **bombs** is strictly prohibited by international law.

destroy

v. to ruin or damage severely or completely; to eradicate or eliminate completely

synonym : demolish, ruin, obliterate

(1) **destroy** the ecosystem, (2) **destroyed** evidence

The building was **destroyed** in the fire and had to be rebuilt.

extinction

n. the complete disappearance of a species from the earth

synonym : disappearance, eradication, annihilation

(1) **extinction** prevention, (2) brink of **extinction**

The **extinction** of the dinosaurs is thought to have been

caused by an asteroid impact.

unrecoverable

adj. not able to be regained, recovered, or retrieved; unable to be salvaged or repaired

synonym : irreparable, irretrievable, lost

(1) **unrecoverable** data loss, (2) **unrecoverable** mistake
Unfortunately, the data on the hard drive was **unrecoverable** after the crash.

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.

steady

adj. firmly fixed, supported, or balanced; not shaking or moving

synonym : stable, solid, secure

(1) **steady** increase, (2) take a **steady** job
The patient's vital signs are **steady**, indicating a stable condition.

pose

v. to present a risk, problem, or other issues that must be addressed

synonym : present, put, position

(1) **pose** a significant threat to my company, (2) **pose** a challenge
The chemicals **pose** a massive health risk.

survive

v. to live or exist despite a dangerous event or period

synonym : endure, persist, stay

(1) **survive** a blizzard, (2) **survive** a plane crash
These birds can only **survive** in temperate climates.

asteroid

n. a small rocky body orbiting the sun, typically in the region between Mars and Jupiter

synonym : minor planet, planetoid, rocky planetesimal

(1) **asteroid** mining, (2) **asteroid** explorer

Scientists are studying the composition and origins of the **asteroid** belt to understand the early solar system better.

volcano

n. a mountain or hill, typically conical, having a crater or vent through which lava, rock fragments, hot vapor, and gas are or have been erupted from the earth's crust.

synonym : mount, peak, crater

(1) **volcano** alert level, (2) active **volcano**

The island was formed by a **volcano** millions of years ago.

inherent

adj. existing in something as a permanent, essential, or characteristic attribute

synonym : intrinsic, natural, innate

(1) **inherent** risk, (2) have an **inherent** dislike

Honesty is an **inherent** quality that everyone should strive to possess.

uncertain

adj. not being sure of something; not being able to choose

synonym : doubtful, skeptical, pending

(1) numerous **uncertain** factors, (2) take an **uncertain** attitude

She was **uncertain** about her friend's intentions.

destruction

n. the act of causing so much damage to something

synonym : devastation, annihilation, ruin

(1) path of **destruction**, (2) cyclonic **destruction**

The extinction of several subspecies has been linked to climate change and habitat **destruction**.

estimate

v. to guess or calculate the cost, size, value, etc. of something

synonym : calculate, gauge, evaluate

(1) **estimate** a fair value, (2) **estimate** this chicken to weigh three pounds

We **estimated** the season's total trade deficit at \$50 billion.

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.

baseline

n. a starting point or minimum for comparing facts; the back line bounding each end of a tennis or handball court

synonym: standard, criterion

(1) **baseline** budget, (2) establish a **baseline**

The products they sell are the **baseline** for performance in the industry.

associate

v. to mentally connect someone or something with someone or something else

synonym: tie in, link, consociate

(1) **associate** alcohol with gambling, (2) **associate** with people widely

The majority of consumers **associate** this brand with quality.

possibility

n. a chance that something may happen or be true

synonym: chance, prospect, likelihood

(1) **possibility** for growth, (2) **possibility** of a major earthquake

The **possibility** of getting the disease will drastically increase.

soot

n. a black, powdery substance that is produced by the incomplete burning of a material such as coal, wood, or oil and is often found on surfaces near the source of the fire

synonym: smut, dirt

(1) **soot-covered** walls, (2) black **soot**

The fire left a layer of **soot** on everything in the room.

crop

n. a plant that is cultivated in large amounts, particularly for food

synonym : output, produce, product

(1) **crop** field, (2) **crop** herbicide

Sow early for an early **crop**.

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**.

severe

adj. extremely serious or bad in feeling, manner, or strict and harsh; extremely strong or vigorous

synonym : harsh, relentless, powerful

(1) **severe** heat, (2) a **severe** case of pneumonia

The senator received **severe** criticism from his opponent.

climate

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

synonym : atmosphere, weather, environment

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

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

scenario

n. a description of possible actions or events in the future; a written outline of a play, film, or literary work

synonym : plan, scheme, procedure

(1) the worst case **scenario**, (2) number of different **scenarios**

The president prepared several possible **scenarios** for an enemy attack.

calamity

n. a serious event that causes damage, injury, or loss
synonym: disaster, tragedy, misfortune

(1) financial **calamity**, (2) a dire **calamity**

The earthquake was a major **calamity** that left many homeless.

unprecedented

adj. never having been seen, done, or known before
synonym: novel, outstanding, unparalleled

(1) **unprecedented** boom, (2) **unprecedented** business opportunity

Unprecedented amounts of heckling and slogan-shouting took place throughout the event.

proportion

n. a part, share, or amount of something considered in comparative relation to a whole

synonym: ratio, balance, consonance

(1) direct **proportion**, (2) a building of vast **proportions**

He is more concerned about the **proportion** of his body fat than usual because of an upcoming bodybuilding competition.

disrupt

v. to prevent or stop something, especially an event, activity, or process, from continuing in the usual way by causing a problem or disturbance

synonym: interrupt, disturb, break into

(1) **disrupt** a well-ordered condition, (2) **disrupt** sleep

I'm so sorry to **disrupt** you when you're pretty busy.

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**.

emerging

adj. starting to exist, mature, or become well-known

synonym: arising, occurring, state-of-the-art

(1) **emerging** country, (2) **emerging** technologies
Emerging technologies have dramatically improved productivity in various industries.

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.

pandemic

n. an outbreak of a disease that affects many people over a very wide area

synonym: outbreak

(1) flu **pandemic**, (2) global **pandemic**

They fear a **pandemic** of a new type of virus.

catastrophe

n. a sudden event that causes extreme ruin and misfortune

synonym: disaster, calamity, cataclysm

(1) **catastrophe** risk management, (2) avoid climate **catastrophe**

The lack of funds has resulted in a **catastrophe** for our university system.

biotechnology

n. the application of technological processes and methods to biological systems to develop new products or techniques, such as genetically modified organisms or biopharmaceuticals

synonym: genetic engineering, bioengineering, genetic modification

(1) **biotechnology** research, (2) modern **biotechnology**

Advancements in **biotechnology** have revolutionized medicine and agriculture.

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.

germ

n. a very tiny living that causes the disease; a piece of something such as an organism, concept, etc., capable of growing into a new one or part of one

synonym: bacterium, microbe, pathogen

(1) antibiotic-resistant **germ**, (2) a **germ-free** environment
The **germ** of his idea came from watching birds flying in flocks.

naturally

adv. as might be expected; by natural manners

synonym: by nature, inherently, intrinsically

(1) **naturally** arising, (2) **naturally** regenerated forest
He was **naturally** gifted.

biowarfare

n. the use of biological agents, such as viruses or bacteria, as weapons of war or terrorism

synonym: germ warfare, bioterrorism

(1) **biowarfare** agent, (2) **biowarfare** defense

A scientist was arrested for sharing the recipe for a **biowarfare** agent with a foreign entity.

accident

n. an unfortunate event, especially one causing damage or injury

synonym: calamity, casualty, chance

(1) cause an **accident**, (2) injury in a car **accident**

The **accident** partially destroyed my vehicle.

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.

sequence

n. a series of related events, actions, numbers, etc., which have a particular order

synonym : arrangement, succession, series

(1) the **sequence** of the seasons, (2) the DNA **sequence**

We do move forward with those tasks in **sequence** next week.

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.

avail

v. to help or benefit; to use or take advantage of

synonym : help, benefit, serve

(1) **avail** you little, (2) **avail** ourselves of this opportunity

Their financing options are reasonable and easy to **avail**.

virus

n. a tiny infectious organic material that causes disease in people, animals, and plants

synonym : bacterium, germ, ailment

(1) spread of the **virus**, (2) a strain of **virus**

An infected person in the hospital will likely pass the **virus** to others.

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**.

unaligned

adj. not aligned or affiliated with any particular group, organization, or ideology; impartial or neutral for a specific conflict or dispute

synonym: unaffiliated, neutral, non-aligned

(1) **unaligned** country, (2) psychologically **unaligned**

Her thoughts and actions were **unaligned**, confusing those around her.

AI

n. (abbreviation for artificial intelligence) the theory and development of computer systems capable of doing activities that would ordinarily need human intelligence, such as object recognition, speech recognition, decision-making, and language translation

synonym: robot, machine learning, neural network

(1) **AI** expert, (2) apply **AI** technology to art

The evolution of processors has dramatically improved the performance of **AI**.

intelligence

n. the ability to learn, comprehend, or make judgments or conclusions based on reasons

synonym: brains, brightness, cleverness

(1) an **intelligence** test, (2) field of artificial **intelligence**

In terms of **intelligence**, he was head and shoulders above his classmates.

surpass

v. to be or do better than someone or something; to excel or go beyond the limits or standards of something

synonym: excel, outdo, outperform

(1) **surpass** imagination, (2) **surpass** \$20 billion in sales

The athlete's record-breaking performance **surpassed** all expectations.

cede

v. to give up, surrender, or transfer possession or control of something, especially territory, power, or authority

synonym: surrender, relinquish, yield

(1) **cede** power, (2) **cede** custody of the kids

The landowner agreed to **cede** part of his property to the government for the public good.

advantage

n. a condition or circumstance that puts one in a favorable or superior position; a beneficial feature or asset that someone or something has

synonym : benefit, edge, asset

(1) score an **advantage**, (2) take **advantage** of his weak points

One of the main **advantages** of the new product is its increased efficiency.

superintelligence

n. a hypothetical agent, for example, a computer or space alien, that possesses intelligence far surpassing that of humankind

(1) digital **superintelligence**, (2) artificial **superintelligence**

He is looking for evidence of the existence of **superintelligence** from cosmic signals.

align

v. to put or arrange two or more things in a straight line or to form a straight line

synonym : coordinate, regulate, adjust

(1) **align** the economic interest of each other, (2) **align** with a historical trend

Both parties are now entirely ideologically **aligned**.

anthropogenic

adj. relating to or resulting from human activity or influence on the environment or climate

synonym : human-caused, manufactured, artificial

(1) **anthropogenic** impact, (2) **anthropogenic** pollution

Anthropogenic climate change is a significant concern for the future of our planet.

background

n. the details of a person's social heritage, such as family, vocational or educational experience; past information that is essential to understanding a situation or problem

synonym : ground, experience, backdrop

(1) a **background** color, (2) a criminal **background**

The company's hiring criteria emphasize personality, not a person's **background**.

odds

n. the degree or probability that a particular thing will or will not happen

synonym: chances, likelihoods, probabilities

(1) **odds** in favor, (2) **odds** of business

What are the **odds** that he will survive?

safeguard

v. to protect something or someone from harm, damage, or loss

synonym: protect, assure, conserve

(1) **safeguard** my property, (2) **safeguard** environmental quality

This measure will **safeguard** people against terrorism.

define

v. to state or explain precisely the nature, scope, or meaning of something

synonym: characterize, depict, express

(1) **define** a word, (2) **define** my position

To advance this discussion, we must **define** "success" rigorously.

fulfill

v. to meet the requirements or expectations; to achieve or realize

synonym: satisfy, complete, accomplish

(1) **fulfill** a contract, (2) **fulfill** a lifetime dream

It was the first time for her, but she **fulfilled** the role of Priest.

Session 2: Spelling

1. st___y increase *adj.* firmly fixed, supported, or balanced; not shaking or moving
2. un_____ed country *adj.* not aligned or affiliated with any particular group, organization, or ideology; impartial or neutral for a specific conflict or dispute
3. c__p herbicide *n.* a plant that is cultivated in large amounts, particularly for food
4. as_____te alcohol with gambling *v.* to mentally connect someone or something with someone or something else
5. de___t smuggling across borders *v.* to find or recognize something, especially something difficult to see, hear, etc.
6. o__s of business *n.* the degree or probability that a particular thing will or will not happen
7. nev_____ess, she persevered *adv.* in spite of that; yet
8. mi_____e defense *n.* a weapon, such as a rocket or guided projectile, that is self-propelled and directed by remote control or by an internal guidance mechanism
9. a strain of vi__s *n.* a tiny infectious organic material that causes disease in people, animals, and plants
10. ge___e analyses *n.* the complete set or sequence of genes of a human, animal, plant, or other living things

ANSWERS: 1. steady, 2. unaligned, 3. crop, 4. associate, 5. detect, 6. odds, 7. nevertheless, 8. missile, 9. virus, 10. genome

- | | |
|----------------------------------|---|
| 11. em_____ng technologies | <i>adj.</i> starting to exist, mature, or become well-known |
| 12. the worst case sc_____io | <i>n.</i> a description of possible actions or events in the future; a written outline of a play, film, or literary work |
| 13. a criminal bac_____nd | <i>n.</i> the details of a person's social heritage, such as family, vocational or educational experience; past information that is essential to understanding a situation or problem |
| 14. de_____t a bad event | <i>v.</i> to find or recognize something, especially something difficult to see, hear, etc. |
| 15. effects of cl_____e change | <i>n.</i> the weather in a particular location averaged over some long period |
| 16. w_____ned me of the plan | <i>v.</i> to make someone aware of potential danger or difficulty, particularly one that may occur in the future |
| 17. flu pa_____ic | <i>n.</i> an outbreak of a disease that affects many people over a very wide area |
| 18. con_____ct each other | <i>v.</i> to deny the truth of a statement by stating the opposite; to be in conflict with |
| 19. un_____ly event | <i>adj.</i> not probable or likely to happen |
| 20. as_____te with people widely | <i>v.</i> to mentally connect someone or something with someone or something else |
| 21. ext_____on prevention | <i>n.</i> the complete disappearance of a species from the earth |

ANSWERS: 11. emerging, 12. scenario, 13. background, 14. detect, 15. climate, 16. warn, 17. pandemic, 18. contradict, 19. unlikely, 20. associate, 21. extinction

22. AI expert *n.* (abbreviation for artificial intelligence) the theory and development of computer systems capable of doing activities that would ordinarily need human intelligence, such as object recognition, speech recognition, decision-making, and language translation
23. ig___e passion *v.* to set on fire; to cause to start burning
24. ba_____ne budget *n.* a starting point or minimum for comparing facts; the back line bounding each end of a tennis or handball court
25. score an ad_____ge *n.* a condition or circumstance that puts one in a favorable or superior position; a beneficial feature or asset that someone or something has
26. na_____ly arising *adv.* as might be expected; by natural manners
27. c__e power *v.* to give up, surrender, or transfer possession or control of something, especially territory, power, or authority
28. bio_____re agent *n.* the use of biological agents, such as viruses or bacteria, as weapons of war or terrorism
29. su_____s \$20 billion in sales *v.* to be or do better than someone or something; to excel or go beyond the limits or standards of something
30. bio_____re defense *n.* the use of biological agents, such as viruses or bacteria, as weapons of war or terrorism

ANSWERS: 22. AI, 23. ignite, 24. baseline, 25. advantage, 26. naturally, 27. cede, 28. biowarfare, 29. surpass, 30. biowarfare

31. na_____ly regenerated forest *adv.* as might be expected; by natural manners
32. the se_____ce of the seasons *n.* a series of related events, actions, numbers, etc., which have a particular order
33. sa_____rd my property *v.* to protect something or someone from harm, damage, or loss
34. an in_____l letter *adj.* of or happening at the beginning; (noun) the first letter of a word, especially a person's name
35. take a st_____y job *adj.* firmly fixed, supported, or balanced; not shaking or moving
36. ma_____e amounts *adj.* enormous amount; very heavy and solid
37. ant_____nic impact *adj.* relating to or resulting from human activity or influence on the environment or climate
38. su_____s imagination *v.* to be or do better than someone or something; to excel or go beyond the limits or standards of something
39. it is un_____ly that he would win the game *adj.* not probable or likely to happen
40. vul_____le parts of the body *adj.* capable of being hurt or influenced physically or mentally
41. de_____yed evidence *v.* to ruin or damage severely or completely; to eradicate or eliminate completely
42. fu_____l a contract *v.* to meet the requirements or expectations; to achieve or realize

ANSWERS: 31. naturally, 32. sequence, 33. safeguard, 34. initial, 35. steady, 36. massive, 37. anthropogenic, 38. surpass, 39. unlikely, 40. vulnerable, 41. destroy, 42. fulfill

43. su_____e a blizzard *v.* to live or exist despite a dangerous event or period
44. common in_____on *n.* the creation of a new device or process resulting from study and experimentation; the act of inventing
45. a civil en_____er *n.* a person whose job is designing, building, or maintaining something such as machines, structures, or software
46. fu_____l a lifetime dream *v.* to meet the requirements or expectations; to achieve or realize
47. bio_____ogy research *n.* the application of technological processes and methods to biological systems to develop new products or techniques, such as genetically modified organisms or biopharmaceuticals
48. a cold cl_____e *n.* the weather in a particular location averaged over some long period
49. es_____te a fair value *v.* to guess or calculate the cost, size, value, etc. of something
50. di_____t a well-ordered condition *v.* to prevent or stop something, especially an event, activity, or process, from continuing in the usual way by causing a problem or disturbance
51. de_____e my position *v.* to state or explain precisely the nature, scope, or meaning of something
52. financial ca_____ty *n.* a serious event that causes damage, injury, or loss
53. the in_____on of new techniques *n.* the creation of a new device or process resulting from study and experimentation; the act of inventing

ANSWERS: 43. survive, 44. invention, 45. engineer, 46. fulfill, 47. biotechnology, 48. climate, 49. estimate, 50. disrupt, 51. define, 52. calamity, 53. invention

54. av__l ourselves of this opportunity *v.* to help or benefit; to use or take advantage of
55. spread of the vi__s *n.* a tiny infectious organic material that causes disease in people, animals, and plants
56. a se___e case of pneumonia *adj.* extremely serious or bad in feeling, manner, or strict and harsh; extremely strong or vigorous
57. digital sup_____nce *n.* a hypothetical agent, for example, a computer or space alien, that possesses intelligence far surpassing that of humankind
58. en_____er shortage *n.* a person whose job is designing, building, or maintaining something such as machines, structures, or software
59. modern bio_____ogy *n.* the application of technological processes and methods to biological systems to develop new products or techniques, such as genetically modified organisms or biopharmaceuticals
60. in_____l velocity *adj.* of or happening at the beginning; (noun) the first letter of a word, especially a person's name
61. st___e up a conversation *v.* to wallop somebody or something with the hand, fist, or weapon; to have an emotional or cognitive impact upon
62. de_____y the ecosystem *v.* to ruin or damage severely or completely; to eradicate or eliminate completely

ANSWERS: 54. avail, 55. virus, 56. severe, 57. superintelligence, 58. engineer, 59. biotechnology, 60. initial, 61. strike, 62. destroy

63. vo____o alert level *n.* a mountain or hill, typically conical, having a crater or vent through which lava, rock fragments, hot vapor, and gas are or have been erupted from the earth's crust.
64. c__e custody of the kids *v.* to give up, surrender, or transfer possession or control of something, especially territory, power, or authority
65. field of artificial int_____nce *n.* the ability to learn, comprehend, or make judgments or conclusions based on reasons
66. sa_____rd environmental quality *v.* to protect something or someone from harm, damage, or loss
67. artificial sup_____nce *n.* a hypothetical agent, for example, a computer or space alien, that possesses intelligence far surpassing that of humankind
68. traffic in_____nt *n.* an event or occurrence, often unexpected or unplanned; something that happens
69. a g__m-free environment *n.* a very tiny living that causes the disease; a piece of something such as an organism, concept, etc., capable of growing into a new one or part of one
70. global pa_____ic *n.* an outbreak of a disease that affects many people over a very wide area
71. numerous un_____in factors *adj.* not being sure of something; not being able to choose
72. cyclonic des_____on *n.* the act of causing so much damage to something

ANSWERS: 63. volcano, 64. cede, 65. intelligence, 66. safeguard, 67. superintelligence, 68. incident, 69. germ, 70. pandemic, 71. uncertain, 72. destruction

73. take ad_____ge of his weak points *n.* a condition or circumstance that puts one in a favorable or superior position; a beneficial feature or asset that someone or something has
74. con_____ct the principle *v.* to deny the truth of a statement by stating the opposite; to be in conflict with
75. the stock market co_____sed *v.* to fall down or give way suddenly, often after breaking apart
76. as_____id explorer *n.* a small rocky body orbiting the sun, typically in the region between Mars and Jupiter
77. w__n a reckless driver *v.* to make someone aware of potential danger or difficulty, particularly one that may occur in the future
78. at___c nucleus *adj.* of or relating to atom (= the smallest component of an element)
79. pos_____ty of a major earthquake *n.* a chance that something may happen or be true
80. ready to co_____se *v.* to fall down or give way suddenly, often after breaking apart
81. di_____t sleep *v.* to prevent or stop something, especially an event, activity, or process, from continuing in the usual way by causing a problem or disturbance
82. unr_____ble mistake *adj.* not able to be regained, recovered, or retrieved; unable to be salvaged or repaired
83. injury in a car ac_____nt *n.* an unfortunate event, especially one causing damage or injury

ANSWERS: 73. advantage, 74. contradict, 75. collapse, 76. asteroid, 77. warn, 78. atomic, 79. possibility, 80. collapse, 81. disrupt, 82. unrecoverable, 83. accident

84. unr_____ble data loss *adj.* not able to be regained, recovered, or retrieved; unable to be salvaged or repaired
85. number of different sc_____ios *n.* a description of possible actions or events in the future; a written outline of a play, film, or literary work
86. avoid climate cat_____he *n.* a sudden event that causes extreme ruin and misfortune
87. a bac_____nd color *n.* the details of a person's social heritage, such as family, vocational or educational experience; past information that is essential to understanding a situation or problem
88. keep working nev_____ess *adv.* in spite of that; yet
89. 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
90. in_____nt risk *adj.* existing in something as a permanent, essential, or characteristic attribute
91. use of nu_____r power *adj.* of or relating to or constituting the nucleus of an atom; deriving destructive energy from the release of atomic energy
92. al__t consumers to the dangers *v.* to warn or arouse to a sense of danger; (adjective) paying close attention or being in a state of readiness for action
93. al__t system *v.* to warn or arouse to a sense of danger; (adjective) paying close attention or being in a state of readiness for action

ANSWERS: 84. unrecoverable, 85. scenario, 86. catastrophe, 87. background, 88. nevertheless, 89. modify, 90. inherent, 91. nuclear, 92. alert, 93. alert

94. ad_____on of vectors *n.* the act or process of adding something to something else; the process of adding numbers
95. nu_____r fusion *adj.* of or relating to or constituting the nucleus of an atom; deriving destructive energy from the release of atomic energy
96. vice-pr_____nt for finance *n.* the leader of a republic, for example, the US; the person in charge of the organization such as a company, university, club, etc.
97. path of des_____on *n.* the act of causing so much damage to something
98. em_____ng country *adj.* starting to exist, mature, or become well-known
99. direct pro_____on *n.* a part, share, or amount of something considered in comparative relation to a whole
100. ant_____nic pollution *adj.* relating to or resulting from human activity or influence on the environment or climate
101. atomic b__b *n.* a weapon that explodes and is used to kill or injure people or to cause damage to something
102. disarm the b__b *n.* a weapon that explodes and is used to kill or injure people or to cause damage to something
103. the DNA se_____ce *n.* a series of related events, actions, numbers, etc., which have a particular order

ANSWERS: 94. addition, 95. nuclear, 96. president, 97. destruction, 98. emerging, 99. proportion, 100. anthropogenic, 101. bomb, 102. bomb, 103. sequence

104. antibiotic-resistant g__m *n.* a very tiny living that causes the disease; a piece of something such as an organism, concept, etc., capable of growing into a new one or part of one
105. apply AI technology to art *n.* (abbreviation for artificial intelligence) the theory and development of computer systems capable of doing activities that would ordinarily need human intelligence, such as object recognition, speech recognition, decision-making, and language translation
106. cruise mi_____e attack *n.* a weapon, such as a rocket or guided projectile, that is self-propelled and directed by remote control or by an internal guidance mechanism
107. de___e a question *v.* to make up someone's mind about something; to come to a conclusion or judgment after considering options
108. chemical ad_____on *n.* the act or process of adding something to something else; the process of adding numbers
109. 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
110. av__l you little *v.* to help or benefit; to use or take advantage of
111. cat_____he risk management *n.* a sudden event that causes extreme ruin and misfortune
112. a vul_____le bridge *adj.* capable of being hurt or influenced physically or mentally

ANSWERS: 104. germ, 105. AI, 106. missile, 107. decide, 108. addition, 109. decide, 110. avail, 111. catastrophe, 112. vulnerable

113. take an un_____in attitude *adj.* not being sure of something; not being able to choose
114. security in_____nt *n.* an event or occurrence, often unexpected or unplanned; something that happens
115. brink of ext_____on *n.* the complete disappearance of a species from the earth
116. ro____t fuel *n.* a large tube-shaped object that moves very first by a stream of gases let out behind it, used for space travel or as a weapon
117. st____e a blow *v.* to wallop somebody or something with the hand, fist, or weapon; to have an emotional or cognitive impact upon
118. ro____t attack against the enemy *n.* a large tube-shaped object that moves very first by a stream of gases let out behind it, used for space travel or as a weapon
119. cause an ac_____nt *n.* an unfortunate event, especially one causing damage or injury
120. o__s in favor *n.* the degree or probability that a particular thing will or will not happen
121. the pa_____en in the air *n.* a bacterium, virus, or other microorganism that causes disease
122. further mod_____ion *n.* the act of changing something, usually to improve it, or something changed
123. a mod_____ion of last year's model *n.* the act of changing something, usually to improve it, or something changed

ANSWERS: 113. uncertain, 114. incident, 115. extinction, 116. rocket, 117. strike, 118. rocket, 119. accident, 120. odds, 121. pathogen, 122. modification, 123. modification

124. sequencing of the human ge___e *n.* the complete set or sequence of genes of a human, animal, plant, or other living things
125. a building of vast pro_____ons *n.* a part, share, or amount of something considered in comparative relation to a whole
126. se___e heat *adj.* extremely serious or bad in feeling, manner, or strict and harsh; extremely strong or vigorous
127. 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
128. establish a ba_____ne *n.* a starting point or minimum for comparing facts; the back line bounding each end of a tennis or handball court
129. p__e a challenge *v.* to present a risk, problem, or other issues that must be addressed
130. al__n with a historical trend *v.* to put or arrange two or more things in a straight line or to form a straight line
131. al__n the economic interest of each other *v.* to put or arrange two or more things in a straight line or to form a straight line
132. c__p field *n.* a plant that is cultivated in large amounts, particularly for food
133. su_____e a plane crash *v.* to live or exist despite a dangerous event or period
134. unp_____ted boom *adj.* never having been seen, done, or known before

ANSWERS: 124. genome, 125. proportion, 126. severe, 127. modify, 128. baseline, 129. pose, 130. align, 131. align, 132. crop, 133. survive, 134. unprecedented

135. an int_____nce test *n.* the ability to learn, comprehend, or make judgments or conclusions based on reasons
136. pos_____ty for growth *n.* a chance that something may happen or be true
137. ig___e a boom *v.* to set on fire; to cause to start burning
138. as_____id mining *n.* a small rocky body orbiting the sun, typically in the region between Mars and Jupiter
139. plant pa_____en *n.* a bacterium, virus, or other microorganism that causes disease
140. s__t-covered walls *n.* a black, powdery substance that is produced by the incomplete burning of a material such as coal, wood, or oil and is often found on surfaces near the source of the fire
141. at___c bomb *adj.* of or relating to atom (= the smallest component of an element)
142. have an in_____nt dislike *adj.* existing in something as a permanent, essential, or characteristic attribute
143. black s__t *n.* a black, powdery substance that is produced by the incomplete burning of a material such as coal, wood, or oil and is often found on surfaces near the source of the fire
144. es_____te this chicken to weigh three pounds *v.* to guess or calculate the cost, size, value, etc. of something
145. de___e a word *v.* to state or explain precisely the nature, scope, or meaning of something

ANSWERS: 135. intelligence, 136. possibility, 137. ignite, 138. asteroid, 139. pathogen, 140. soot, 141. atomic, 142. inherent, 143. soot, 144. estimate, 145. define

146. psychologically un_____ed *adj.* not aligned or affiliated with any particular group, organization, or ideology; impartial or neutral for a specific conflict or dispute
147. unpre_____ted business opportunity *adj.* never having been seen, done, or known before
148. active volcano *n.* a mountain or hill, typically conical, having a crater or vent through which lava, rock fragments, hot vapor, and gas are or have been erupted from the earth's crust.
149. pose a significant threat to my company *v.* to present a risk, problem, or other issues that must be addressed
150. massive stars *adj.* enormous amount; very heavy and solid
151. president emeritus *n.* the leader of a republic, for example, the US; the person in charge of the organization such as a company, university, club, etc.
152. a dire calamity *n.* a serious event that causes damage, injury, or loss

ANSWERS: 146. unaligned, 147. unprecedented, 148. volcano, 149. pose, 150. massive, 151. president, 152. calamity

Session 3: Fill in the Blanks

1. The _____ launch platform is visible from this hill.
n. a large tube-shaped object that moves very fast by a stream of gases let out behind it, used for space travel or as a weapon

2. The _____ partially destroyed my vehicle.
n. an unfortunate event, especially one causing damage or injury

3. The patient's vital signs are _____ indicating a stable condition.
adj. firmly fixed, supported, or balanced; not shaking or moving

4. The chemicals _____ a massive health risk.
v. to present a risk, problem, or other issues that must be addressed

5. The _____ of getting the disease will drastically increase.
n. a chance that something may happen or be true

6. 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

7. As a result of this _____ we have revised our safety measures.
n. the act of changing something, usually to improve it, or something changed

8. _____ technologies have dramatically improved productivity in various industries.
adj. starting to exist, mature, or become well-known

ANSWERS: 1. rocket, 2. accident, 3. steady, 4. pose, 5. possibility, 6. modify, 7. modification, 8. Emerging

9. The earthquake was a major _____ that left many homeless.
n. a serious event that causes damage, injury, or loss
10. The _____ will repair my telephone tomorrow morning.
n. a person whose job is designing, building, or maintaining something such as machines, structures, or software
11. An infected person in the hospital will likely pass the _____ to others.
n. a tiny infectious organic material that causes disease in people, animals, and plants
12. The senator received _____ criticism from his opponent.
adj. extremely serious or bad in feeling, manner, or strict and harsh; extremely strong or vigorous
13. Carbon has an _____ mass of 12.
adj. of or relating to atom (= the smallest component of an element)
14. The roof finally _____ after three days and three nights of heavy snowfall.
v. to fall down or give way suddenly, often after breaking apart
15. The use of cluster _____ is strictly prohibited by international law.
n. a weapon that explodes and is used to kill or injure people or to cause damage to something
16. Sow early for an early _____.
n. a plant that is cultivated in large amounts, particularly for food
17. The company's hiring criteria emphasize personality, not a person's _____.
n. the details of a person's social heritage, such as family, vocational or educational experience; past information that is essential to understanding a situation or problem

ANSWERS: 9. calamity, 10. engineer, 11. virus, 12. severe, 13. atomic, 14. collapsed, 15. bombs, 16. crop, 17. background

18. The _____ at the airport caused a delay in my flight.

n. an event or occurrence, often unexpected or unplanned; something that happens

19. I'm so sorry to _____ you when you're pretty busy.

v. to prevent or stop something, especially an event, activity, or process, from continuing in the usual way by causing a problem or disturbance

20. In _____ private corporations provide healthcare services.

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

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

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

22. To advance this discussion, we must _____ "success" rigorously.

v. to state or explain precisely the nature, scope, or meaning of something

23. The club _____ does not have absolute power.

n. the leader of a republic, for example, the US; the person in charge of the organization such as a company, university, club, etc.

24. Honesty is an _____ quality that everyone should strive to possess.

adj. existing in something as a permanent, essential, or characteristic attribute

25. The security camera has _____ four intruders.

v. to find or recognize something, especially something difficult to see, hear, etc.

ANSWERS: 18. incident, 19. disrupt, 20. addition, 21. pathogens, 22. define, 23. president, 24. inherent, 25. detected

26. We do move forward with those tasks in _____ next week.
- n.* a series of related events, actions, numbers, etc., which have a particular order
27. Advancements in _____ have revolutionized medicine and agriculture.
- n.* the application of technological processes and methods to biological systems to develop new products or techniques, such as genetically modified organisms or biopharmaceuticals
28. The island was formed by a _____ millions of years ago.
- n.* a mountain or hill, typically conical, having a crater or vent through which lava, rock fragments, hot vapor, and gas are or have been erupted from the earth's crust.
29. These birds can only _____ in temperate climates.
- v.* to live or exist despite a dangerous event or period
30. The recent economic downturn has resulted in _____ layoffs.
- adj.* enormous amount; very heavy and solid
31. The passage of the bill is _____.
- adj.* not probable or likely to happen
32. 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
33. In terms of _____ he was head and shoulders above his classmates.
- n.* the ability to learn, comprehend, or make judgments or conclusions based on reasons

ANSWERS: 26. sequence, 27. biotechnology, 28. volcano, 29. survive, 30. massive, 31. unlikely, 32. decide, 33. intelligence,

34. The company's cybersecurity team _____ the CEO to potential threats.
- v.* to warn or arouse to a sense of danger; (adjective) paying close attention or being in a state of readiness for action
35. He is more concerned about the _____ of his body fat than usual because of an upcoming bodybuilding competition.
- n.* a part, share, or amount of something considered in comparative relation to a whole
36. He is looking for evidence of the existence of _____ from cosmic signals.
- n.* a hypothetical agent, for example, a computer or space alien, that possesses intelligence far surpassing that of humankind
37. They took the _____ step toward reconciliation.
- adj.* of or happening at the beginning; (noun) the first letter of a word, especially a person's name
38. The evolution of processors has dramatically improved the performance of ____.
- n.* (abbreviation for artificial intelligence) the theory and development of computer systems capable of doing activities that would ordinarily need human intelligence, such as object recognition, speech recognition, decision-making, and language translation
39. They fear a _____ of a new type of virus.
- n.* an outbreak of a disease that affects many people over a very wide area
40. Both parties are now entirely ideologically _____.
- v.* to put or arrange two or more things in a straight line or to form a straight line

ANSWERS: 34. alerted, 35. proportion, 36. superintelligence, 37. initial, 38. AI, 39. pandemic, 40. aligned

41. The military launched a ballistic _____ at the enemy's stronghold.
n. a weapon, such as a rocket or guided projectile, that is self-propelled and directed by remote control or by an internal guidance mechanism
42. What are the _____ that he will survive?
n. the degree or probability that a particular thing will or will not happen
43. The president prepared several possible _____ for an enemy attack.
n. a description of possible actions or events in the future; a written outline of a play, film, or literary work
44. Unfortunately, the data on the hard drive was _____ after the crash.
adj. not able to be regained, recovered, or retrieved; unable to be salvaged or repaired
45. A scientist was arrested for sharing the recipe for a _____ agent with a foreign entity.
n. the use of biological agents, such as viruses or bacteria, as weapons of war or terrorism
46. He _____ the fireworks with a single spark.
v. to set on fire; to cause to start burning
47. One of the main _____ of the new product is its increased efficiency.
n. a condition or circumstance that puts one in a favorable or superior position; a beneficial feature or asset that someone or something has
48. The extinction of several subspecies has been linked to climate change and habitat _____.
n. the act of causing so much damage to something

ANSWERS: 41. missile, 42. odds, 43. scenarios, 44. unrecoverable, 45. biowarfare, 46. ignited, 47. advantages, 48. destruction

49. Their financing options are reasonable and easy to _____.
v. to help or benefit; to use or take advantage of
50. The lack of funds has resulted in a _____ for our university system.
n. a sudden event that causes extreme ruin and misfortune
51. The landowner agreed to _____ part of his property to the government for the public good.
v. to give up, surrender, or transfer possession or control of something, especially territory, power, or authority
52. _____ climate change is a significant concern for the future of our planet.
adj. relating to or resulting from human activity or influence on the environment or climate
53. He was _____ gifted.
adv. as might be expected; by natural manners
54. 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
55. She was tired and hungry, but _____ she persevered.
adv. in spite of that; yet
56. We _____ the season's total trade deficit at \$50 billion.
v. to guess or calculate the cost, size, value, etc. of something

ANSWERS: 49. avail, 50. catastrophe, 51. cede, 52. Anthropogenic, 53. naturally, 54. genome, 55. nevertheless, 56. estimated

57. Infants and pregnant women are particularly _____.
adj. capable of being hurt or influenced physically or mentally
58. _____ and weather have an impact on every part of our lifestyles.
n. the weather in a particular location averaged over some long period
59. She was _____ about her friend's intentions.
adj. not being sure of something; not being able to choose
60. The _____ of the dinosaurs is thought to have been caused by an asteroid impact.
n. the complete disappearance of a species from the earth
61. It was the first time for her, but she _____ the role of Priest.
v. to meet the requirements or expectations; to achieve or realize
62. Her thoughts and actions were _____ confusing those around her.
adj. not aligned or affiliated with any particular group, organization, or ideology; impartial or neutral for a specific conflict or dispute
63. Necessity is the mother of _____.
n. the creation of a new device or process resulting from study and experimentation; the act of inventing
64. We _____ to achieve more wages and safer working conditions.
v. to wallop somebody or something with the hand, fist, or weapon; to have an emotional or cognitive impact upon
65. Scientists are studying the composition and origins of the _____ belt to understand the early solar system better.
n. a small rocky body orbiting the sun, typically in the region between Mars and Jupiter

ANSWERS: 57. vulnerable, 58. Climate, 59. uncertain, 60. extinction, 61. fulfilled, 62. unaligned, 63. invention, 64. strike, 65. asteroid

66. The majority of consumers _____ this brand with quality.
- v.* to mentally connect someone or something with someone or something else
67. The fire left a layer of _____ on everything in the room.
- n.* a black, powdery substance that is produced by the incomplete burning of a material such as coal, wood, or oil and is often found on surfaces near the source of the fire
68. The products they sell are the _____ for performance in the industry.
- n.* a starting point or minimum for comparing facts; the back line bounding each end of a tennis or handball court
69. Many countries have now agreed to a treaty banning the use of _____ weapons.
- adj.* of or relating to or constituting the nucleus of an atom; deriving destructive energy from the release of atomic energy
70. I attempted to _____ him, but he ignored me.
- v.* to make someone aware of potential danger or difficulty, particularly one that may occur in the future
71. The building was _____ in the fire and had to be rebuilt.
- v.* to ruin or damage severely or completely; to eradicate or eliminate completely
72. This measure will _____ people against terrorism.
- v.* to protect something or someone from harm, damage, or loss
73. _____ amounts of heckling and slogan-shouting took place throughout the event.
- adj.* never having been seen, done, or known before

ANSWERS: 66. associate, 67. soot, 68. baseline, 69. nuclear, 70. warn, 71. destroyed, 72. safeguard, 73. Unprecedented

74. The athlete's record-breaking performance _____ all expectations.

- v. to be or do better than someone or something; to excel or go beyond the limits or standards of something

75. The _____ of his idea came from watching birds flying in flocks.

- n. a very tiny living that causes the disease; a piece of something such as an organism, concept, etc., capable of growing into a new one or part of one

76. The book contains numerous statements that _____ previous reports.

- v. to deny the truth of a statement by stating the opposite; to be in conflict with

ANSWERS: 74. surpassed, 75. germ, 76. contradict