

# Englist.me



## Vocabulary Builder Reference from...

*Faith Osier: The key to a better malaria vaccine | TED Talk*

[https://www.ted.com/talks/faith\\_osier\\_the\\_key\\_to\\_a\\_better\\_malaria\\_vaccine](https://www.ted.com/talks/faith_osier_the_key_to_a_better_malaria_vaccine)

### All Words

#### IMPORTANT

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## Session 1: Word List

### clinical

*adj.* of or relating to the examination and treatment of patients rather than theoretical or laboratory studies

*synonym* : dispassionate, analytic, scientific

(1) **clinical** surgery, (2) participate in **clinical** trials

She received special **clinical** training at the hospital.

### 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.

### 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.

### fraction

*n.* a small part or item forming a piece of a whole; the quotient of two rational numbers

*synonym* : piece, part, fragment

(1) a **fractional** share of the vote, (2) a numerator in a **fraction**

He spent only a **fraction** of his earnings.

## 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.

## awash

*adj.* flooded or overflowing with water, typically suddenly or unexpectedly; abundant or prevalent to the extent of being overwhelming or excessive

*synonym*: flooded, inundated, immersed

(1) **awash** with cash, (2) **awash** in debt

The beach was **awash** with seaweed after the storm.

## advance

*v.* to go or move forward; to develop in a positive way

*synonym*: progress, boost, come along

(1) **advance** the technology, (2) **advance** a cooperative relationship

Scientific knowledge will **advance** significantly with the power of AI.

## omics

*n.* a term used in various scientific disciplines, such as genomics, proteomics, and metabolomics, to refer to the large-scale analysis and understanding of biological systems and processes

*synonym*: genomics, metabolomics, transcriptomics

(1) **omics** research, (2) **omics** profiling techniques

**Omics** data integration allows us to create a holistic view of cellular processes.

## platform

*n.* the raised flat space close to the track at a train station where passengers get on or off the train; (technology) a computational or digital environment in which a piece of

software is executed

*synonym* : stage, podium, forum

(1) an arrival **platform**, (2) a digital **platform** for enterprise

The speaker mounted the **platform** and started to speak.

## 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.

## transcript

*n.* a written or printed version of something, especially a dictated or recorded speech, interview, or conversation; an official record of a student's coursework and grades at a school or university

*synonym* : record, certificate, report

(1) academic **transcript**, (2) official **transcript**

The court reporter was responsible for creating a **transcript** of the trial proceedings.

## proteome

*n.* the entire complement of proteins that can be expressed by a genome, cell, tissue, or organism, including all of its functional forms and modifications

(1) bacterial **proteome**, (2) **proteome** database

Scientists are studying the human **proteome** to understand better how proteins work in the body.

## complexity

*n.* the state or quality of being complicated or intricate and difficult to understand

*synonym* : intricacy, sophistication, elaboration

(1) cognitive **complexity**, (2) **complexity** theory

The project's **complexity** made it difficult for the team to complete it on time.

## spite

*n.* feelings of anger and resentment; (in spite of, also despite) a phrase that is used to indicate that something happened or exists even though there is a particular obstacle or difficulty

*synonym* : malice, ill will, vindictiveness

(1) bear **spite** against him, (2) die in **spite** of intensive care  
He did it out of **spite**, to annoy me.

## rudimentary

*adj.* relating to basic facts or principles; fundamental

*synonym* : essential, fundamental, elementary

(1) a **rudimentary** plant, (2) **rudimentary** understanding  
He has only a **rudimentary** knowledge of this topic.

## handle

*v.* to deal with a situation, problem, or strong emotion

*synonym* : control, manage, deal with

(1) **handle** a precious object, (2) **handled** the incident  
We all should learn how to **handle** stress.

## frequent

*adj.* happening constantly

*synonym* : periodic, recurring, routine

(1) **frequent** absence, (2) **frequent** use  
His heartaches are less **frequent** now.

## infect

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

*synonym* : pollute, contaminate, affect

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

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

## infection

*n.* a condition in which pathogenic microorganisms or viruses have entered the body

*synonym* : contagion, disease, transmission

(1) a bacterial **infection**, (2) treat the **infection** with antibiotics

Hospitals must meet various standards to prevent nosocomial

## infections.

### recipe

*n.* a set of instructions for preparing a dish, including the ingredients and the method of cooking

*synonym*: instructions, formula, method

(1) **recipe** book, (2) **recipe** collection

The **recipe** for the cake is passed down from generation to generation in her family.

### encode

*v.* to convert information into a code or format suitable for storage or transmission

*synonym*: transcribe, convert

(1) **encode** data, (2) **encode** information

The software can **encode** and decode encrypted messages.

### antibody

*n.* a substance produced in the blood that attacks and kills harmful bacteria, viruses, etc., to fight disease

(1) produce **antibody**, (2) **antibody** against bacteria

This pharmaceutical company is developing **antibody** drugs with fewer side effects.

### probe

*n.* a tool used for testing or examining, especially for medical or scientific purposes, or an exploratory mission to a planet or other celestial body; (verb) to investigate, examine, or search into something

*synonym*: investigation, inquiry, examination

(1) a lunar **probe**, (2) **probe** for inside information

NASA sent a **probe** to study the atmosphere of Jupiter.

### overcome

*v.* to succeed in controlling or dealing with something, such as a problem or difficulty; to defeat or overwhelm someone

*synonym*: beat, confound, overwhelm

(1) **overcome** opponents, (2) **overcome** all difficulties

He tried to **overcome** a bad reputation and win the election.

## protein

*n.* a molecule made up of a long chain of amino acids, which is essential for the structure and function of the body's tissues

(1) stress **protein**, (2) **protein** synthesis

The body needs a certain amount of **protein** to build and repair tissues.

## radar

*n.* a technology that employs radio waves to locate items that cannot be seen

*synonym*: sonar, radiolocation

(1) **radar** air traffic control, (2) **radar** scanning

**Radar** systems cannot spot the submarine.

## 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.

## identify

*v.* to recognize someone or something and say or prove who or what they are

*synonym*: determine, specify, recognize

(1) **identify** handwriting, (2) **identify** gene sequences

I will introduce you to how to **identify** the leading causes of the malfunction.

## 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.

## cohort

*n.* a group of people who share a common characteristic, experience, or background and are usually studied as a single unit in research or analysis; a companion or ally

*synonym*: group, team, squad

(1) **cohort** study, (2) business **cohort**

The **cohort** of students from the science program graduated with top honors.

## typical

*adj.* having the usual characteristics or traits of a specific group of things

*synonym*: characteristic, usual, distinctive

(1) **typical** leader, (2) fairly **typical** symptoms

This artwork is **typical** of her work.

## 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.

## participate

*v.* to take part in something

*synonym*: take part, partake, enter

(1) **participate** fully in conversation, (2) **participate** in the program

The majority of students actively **participated** in the college's intramural sports program.

## analyze

*v.* to think about in-depth and evaluate to discover essential features or meaning

*synonym*: explore, examine, investigate

(1) **analyze** a chemical compound, (2) **analyze** your real motives

The teacher attempted to **analyze** the root cause of our mistake.

## predict

*v.* to state beforehand that something will happen in the future, mainly based on knowledge or experience

*synonym*: forecast, anticipate, foresee

(1) **predict** the future, (2) **predict** when she will arrive  
It's notoriously challenging to **predict** birth rates.

## relative

*adj.* considered and evaluated through comparison with something else

*synonym*: comparative, proximate, congeneric

(1) a remote **relative**, (2) **relative** factors

Most countries prohibit sexual activity between certain close **relatives**.

## locate

*v.* to specify or determine the exact position of someone or something

*synonym*: discover, find, place

(1) **locate** a missing pet, (2) **locate** a tumor

The robot can accurately **locate** construction material.

## consistent

*adj.* always behaving or happening in the same way, or having the same thoughts, standards, etc.

*synonym*: coherent, constant, compatible

(1) do on a **consistent** basis, (2) get **consistent** results

You are not **consistent** in your behavior.

## essentially

*adv.* relating to the essential features or concepts of anything

*synonym*: fundamentally, basically, virtually

(1) **essentially** correct, (2) become **essentially** same

**Essentially**, a society is an organism.

## 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.

## exciting

*adj.* causing a lot of interest or excitement

*synonym*: exhilarating, stimulating, thrilling



(1) **exciting** football player, (2) **exciting** news  
The findings of the experiment were both **exciting** and unexpected.

## 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.

## innovative

*adj.* introducing or using new methods, ideas, etc.

*synonym*: creative, ingenious, inventive

(1) use of **innovative** technology, (2) stylistically **innovative** works

The Prime Minister stressed the need to create **innovative** industries.

## assemble

*v.* to collect in one place as a single group

*synonym*: gather, congregate, collect

(1) **assemble** your colleagues, (2) **assemble** a jigsaw puzzle

The president began to **assemble** an army.

## span

*n.* the entire length of something, such as time or space from beginning to end; the amount of space that something covers

*synonym*: interval, period, length

(1) the **span** of a bird's wings, (2) the average life **span**

He slightly modified the **span** of training because it was just before a match.

## variable

*adj.* likely to change or vary often; (noun) a symbol, like x or y, that is used in mathematical or logical expressions to represent a value that may be changed

*synonym*: erratic, inconsistent, irregular

(1) a **variable** species, (2) a dependent **variable**

Rainfall in the tropics is highly **variable**.

## intense

*adj.* (especially of a feeling) very strong; extremely sharp or severe

*synonym*: extreme, fierce, harsh

(1) **intense** heat, (2) develop **intense** itching

That statement by the prime minister drew **intense** international criticism.

## 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.

## prioritize

*v.* to assign a higher level of importance to something compared to other things

*synonym*: rank, order, arrange

(1) **prioritize** tasks, (2) **prioritize** people over cars

The organization **prioritized** the needs of the community in its decision-making.

## synthesize

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

*synonym*: incorporate, amalgamate

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

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

## 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**.

## recreate

*v.* to make something that existed previously happen or appear to exist again

*synonym*: renovate, vivify, revive

(1) **recreate** a single country, (2) **recreate** the feeling of the 1920s

She **recreated** the atmosphere of the pre-war age with her stage setting.

## chip

*n.* a small fragment of something broken off from the whole; a long and thin piece of potato fried in oil or fat

*synonym*: flake, fragment, chunk

(1) a **chip** of wood, (2) I don't care a **chip**

We can use this campaign as a bargaining **chip** in the negotiations.

## slide

*v.* to move or cause to move smoothly along a surface without interruption

*synonym*: glide, drift, drop

(1) **slide** a card across the table, (2) **slide** a glance

If necessary, you can **slide** the front seats forward.

## incredible

*adj.* unbelievable; enormous

*synonym*: unbelievable, fantastical, inconceivable

(1) **incredible** amount, (2) at **incredible** speed

Her response revealed **incredible** idiocy.

## simultaneously

*adv.* at the same time

*synonym*: concurrently, coincidentally, together

(1) **simultaneously** affected, (2) take several inputs

**simultaneously**

Two students answered the teacher's question

**simultaneously**.

## synergy

*n.* the interaction of elements that, when combined, produce a total effect that is greater than the sum of the individual elements

*synonym*: cooperation, collaboration, partnership

(1) **synergy** collaboration, (2) **synergy** between businesses  
The new software program was designed to increase productivity by promoting employee **synergy**.

## concentration

*n.* the ability to focus all your time and energy on one thing without thinking about anything else.

*synonym*: attention, engagement, assiduity

(1) **concentration** of armaments, (2) his research area of **concentration**

This exam requires excellent **concentration** to pass.

## isolation

*n.* the condition of being alone or lonely; the act or state of separation between persons or groups

*synonym*: aloneness, seclusion, separateness

(1) **isolation** booth, (2) the country's **isolation**

That incident led to his **isolation**.

## adequate

*adj.* enough, acceptable, satisfactory for a particular purpose or need

*synonym*: enough, acceptable, able

(1) **adequate** parking facilities, (2) provide **adequate** funding

This argument is still not **adequate**.

## definition

*n.* a concise explanation of the meaning of a word, phrase, or symbol

*synonym*: description, connotation, meaning

(1) a precise **definition**, (2) the **definition** of a word

Parallel lines are, by **definition**, lines on the same plane that never cross.

## breakthrough

*n.* a sudden, dramatic, and important discovery or development that helps to improve a situation or provide an answer to a problem

*synonym*: advance, progress, innovation

(1) **breakthrough** in the negotiations, (2) **breakthrough**

discovery

A technique called deep learning has led to **breakthroughs** in AI.

## vaccinate

*v.* to treat with a vaccine, usually by injection, to produce immunity against a disease

*synonym*: immunize, inject, inoculate

(1) **vaccinate** against scarlet fever, (2) **vaccinate** every year

The nurse **vaccinated** the children in the school.

## faith

*n.* complete trust in something or someone's ability or knowledge; a strong belief in religion, divine power, etc.

*synonym*: belief, trust, confidence

(1) religious **faith**, (2) **faith** in government

He kept his robust **faith** in his company.

## process

*n.* a series of actions or operations performed to achieve a particular outcome or goal; a systematic procedure or approach used to accomplish a specific task or objective; a method of treating milk to make it suitable for consumption or use in other dairy products

*synonym*: procedure, method, system

(1) **process** improvement, (2) decision-making **process**

The **process** for applying for a visa can be lengthy and complicated.

## antigen

*n.* a substance that triggers the body's immune response (= the reaction for fighting infections) for defending the body, especially by producing antibodies (= proteins that identify and attack harmful bacteria, viruses, etc.)

(1) detect **antigen**, (2) viral **antigen**

**Antigen** testing is less accurate than PCR testing but easier to perform.

## partnership

*n.* the state of a cooperative relationship between people or groups, especially in business

*synonym*: alliance, participation, cooperation

(1) **partnership** across the Atlantic, (2) establish a **partnership**

The military **partnership** between the two countries created tension in the international community.

## refer

*v.* to direct someone's attention, thoughts, or questions to another source or person; to mention, cite, or allude to something as evidence or support

*synonym*: cite, allude, mention

(1) **refer** to a book, (2) **refer** to a map

Please **refer** to the instruction manual for further assistance.

## sideways

*adv.* towards or from the side; with one side forward or to the front; (adjective, of movement) at an angle

*synonym*: to the edge, obliquely, sidelong

(1) fall **sideways**, (2) a **sideways** market

She glanced **sideways** at the conversation of the boy she was interested in.

## collaboration

*n.* the act or situation of working together to create or produce something

*synonym*: affiliation, alliance, coalition

(1) **collaboration** between companies, (2) **collaboration** platform

The partnership program requires a mutual **collaboration** between both agencies.

## contrast

*v.* to put in opposition to show or emphasize differences

*synonym*: differ, vary, counterpoint

(1) **contrast** with a decade ago, (2) **contrast** two things

It's intriguing to compare and **contrast** the two authors.

## strength

*n.* the quality or state of being physically, or sometimes mentally, strong

*synonym*: resilience, power, muscles

(1) **strength** of the economy, (2) muscular **strength**  
Health and **strength** are, above all, gold.

## develop

*v.* to grow or expand; to improve or refine through a process of progress and refinement, often to achieve greater sophistication or complexity; to elaborate or add detail to something that is in the process of being created

*synonym*: evolve, progress, advance

(1) **develop** a strategy, (2) **develop** a skill

We must **develop** a new system to streamline our workflow and increase efficiency.

## burden

*n.* a duty, responsibility, etc. that is oppressive or worrisome; a load, typically a heavy one that is difficult to carry

*synonym*: obligation, duty, load

(1) carry a **burden**, (2) **burden** of disease

That car has a low environmental **burden**.

## disease

*n.* a disorder or illness that affects the body or mind, often characterized by specific symptoms or abnormal functioning of organs or systems

*synonym*: illness, ailment, affliction

(1) **disease** prevention, (2) **disease** control

The doctor diagnosed him with a rare **disease** that had no known cure.

## boundary

*n.* a real or imaginary line that marks the limit or extent of something and separates it from other things or places

*synonym*: border, frontier, limitation

(1) geographical **boundary**, (2) the **boundary** between reality and fantasy

He wandered the **boundary** between life and death by gunfire.

## mention

v. to speak or write about something or someone briefly  
*synonym*: reference, allude, cite

(1) **mention** name, (2) **mention** in a report

I **mentioned** to him that I had seen his sister at the grocery store earlier that day.

## 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.

## economics

n. the branch of social science that deals with the production, consumption, and transfer of goods and services

*synonym*: social science, finance, business

(1) welfare **economics**, (2) **economics** professor

His class will cover an introduction to agricultural **economics**.

## thrive

v. to grow vigorously; to make steady progress

*synonym*: bloom, flourish, prosper

(1) **thrive** in a society, (2) **thrive** on pressure

Without investment, a business cannot **thrive**.



## Session 2: Spelling

- |                                |   |
|--------------------------------|---|
| 1. establish a par_____ip      | <i>n.</i> the state of a cooperative relationship between people or groups, especially in business  |
| 2. sl__e a glance              | <i>v.</i> to move or cause to move smoothly along a surface without interruption  |
| 3. aw__h in debt               | <i>adj.</i> flooded or overflowing with water, typically suddenly or unexpectedly; abundant or prevalent to the extent of being overwhelming or excessive |
| 4. l_b instrument              | <i>n.</i> a workplace for the conduct of scientific research; a laboratory  |
| 5. pri_____ze people over cars | <i>v.</i> to assign a higher level of importance to something compared to other things  |
| 6. cognitive com_____ty        | <i>n.</i> the state or quality of being complicated or intricate and difficult to understand  |
| 7. lo___e a missing pet        | <i>v.</i> to specify or determine the exact position of someone or something  |
| 8. the country's is_____on     | <i>n.</i> the condition of being alone or lonely; the act or state of separation between persons or groups  |
| 9. en___e information          | <i>v.</i> to convert information into a code or format suitable for storage or transmission   |
| 10. stress pr_____n            | <i>n.</i> a molecule made up of a long chain of amino acids, which is essential for the structure and function of the body's tissues                      |

ANSWERS: 1. partnership, 2. slide, 3. awash, 4. lab, 5. prioritize, 6. complexity, 7. locate, 8. isolation, 9. encode, 10. protein

- |                                 |   |
|---------------------------------|---|
| 11. col_____ion platform        | <i>n.</i> the act or situation of working together to create or produce something   |
| 12. co_____t a background check | <i>v.</i> to organize and carry out a particular activity   |
| 13. develop in_____e itching    | <i>adj.</i> (especially of a feeling) very strong; extremely sharp or severe  |
| 14. pr_____me database          | <i>n.</i> the entire complement of proteins that can be expressed by a genome, cell, tissue, or organism, including all of its functional forms and modifications             |
| 15. ma_____a mosquitoes         | <i>n.</i> a severe disease caused by a parasite that is spread by the bite of an infected mosquito  |
| 16. ty_____l leader             | <i>adj.</i> having the usual characteristics or traits of a specific group of things  |
| 17. an oral va_____e            | <i>n.</i> 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.) |
| 18. a precise def_____on        | <i>n.</i> a concise explanation of the meaning of a word, phrase, or symbol   |
| 19. aw__h with cash             | <i>adj.</i> flooded or overflowing with water, typically suddenly or unexpectedly; abundant or prevalent to the extent of being overwhelming or excessive                     |
| 20. sy_____y collaboration      | <i>n.</i> the interaction of elements that, when combined, produce a total effect that is greater than the sum of the individual elements                                     |

ANSWERS: 11. collaboration, 12. conduct, 13. intense, 14. proteome, 15. malaria, 16. typical, 17. vaccine, 18. definition, 19. awash, 20. synergy

21. his research area of  
con\_\_\_\_\_ion
22. ess\_\_\_\_\_ly correct
23. par\_\_\_\_\_ip across the Atlantic
24. rud\_\_\_\_\_ry understanding
25. in\_\_\_t a computer with a virus
26. ra\_\_r scanning
27. field of artificial int\_\_\_\_\_nce
28. fairly ty\_\_\_\_\_l symptoms
29. de\_\_\_\_\_p a skill
30. en\_\_\_e data
31. stylistically inn\_\_\_\_\_ve works
- n.* the ability to focus all your time and energy on one thing without thinking about anything else.
- adv.* relating to the essential features or concepts of anything
- n.* the state of a cooperative relationship between people or groups, especially in business
- adj.* relating to basic facts or principles; fundamental
- v.* to affect a person, an animal, or a plant with a disease-causing organism
- n.* a technology that employs radio waves to locate items that cannot be seen
- n.* the ability to learn, comprehend, or make judgments or conclusions based on reasons
- adj.* having the usual characteristics or traits of a specific group of things
- v.* to grow or expand; to improve or refine through a process of progress and refinement, often to achieve greater sophistication or complexity; to elaborate or add detail to something that is in the process of being created
- v.* to convert information into a code or format suitable for storage or transmission
- adj.* introducing or using new methods, ideas, etc.

ANSWERS: 21. concentration, 22. essentially, 23. partnership, 24. rudimentary, 25. infect, 26. radar, 27. intelligence, 28. typical, 29. develop, 30. encode, 31. innovative

32. a c\_\_p of wood *n.* a small fragment of something broken off from the whole; a long and thin piece of potato fried in oil or fat
33. business co\_\_\_t *n.* a group of people who share a common characteristic, experience, or background and are usually studied as a single unit in research or analysis; a companion or ally
34. produce an\_\_\_\_dy *n.* a substance produced in the blood that attacks and kills harmful bacteria, viruses, etc., to fight disease
35. an arrival pl\_\_\_\_rm *n.* the raised flat space close to the track at a train station where passengers get on or off the train; (technology) a computational or digital environment in which a piece of software is executed
36. sy\_\_\_\_y between businesses *n.* the interaction of elements that, when combined, produce a total effect that is greater than the sum of the individual elements
37. de\_\_\_\_p a strategy *v.* to grow or expand; to improve or refine through a process of progress and refinement, often to achieve greater sophistication or complexity; to elaborate or add detail to something that is in the process of being created
38. es\_\_\_\_te a fair value *v.* to guess or calculate the cost, size, value, etc. of something
39. pr\_\_\_\_t when she will arrive *v.* to state beforehand that something will happen in the future, mainly based on knowledge or experience

ANSWERS: 32. chip, 33. cohort, 34. antibody, 35. platform, 36. synergy, 37. develop, 38. estimate, 39. predict

40. ma\_\_\_\_\_a-endemic area *n.* a severe disease caused by a parasite that is spread by the bite of an infected mosquito
41. a dependent va\_\_\_\_\_le *adj.* likely to change or vary often; (noun) a symbol, like x or y, that is used in mathematical or logical expressions to represent a value that may be changed
42. I don't care a c\_\_p *n.* a small fragment of something broken off from the whole; a long and thin piece of potato fried in oil or fat
43. an\_\_\_\_\_e your real motives *v.* to think about in-depth and evaluate to discover essential features or meaning
44. in\_\_\_\_\_e a high degree of risk *v.* to include or affect someone or something as a necessary part of something else
45. become ess\_\_\_\_\_ly same *adv.* relating to the essential features or concepts of anything
46. th\_\_\_e on pressure *v.* to grow vigorously; to make steady progress
47. ge\_\_\_e analyses *n.* the complete set or sequence of genes of a human, animal, plant, or other living things
48. the average life s\_\_n *n.* the entire length of something, such as time or space from beginning to end; the amount of space that something covers
49. va\_\_\_\_\_te against scarlet fever *v.* to treat with a vaccine, usually by injection, to produce immunity against a disease

ANSWERS: 40. malaria, 41. variable, 42. chip, 43. analyze, 44. involve, 45. essentially, 46. thrive, 47. genome, 48. span, 49. vaccinate

50. the stock market co\_\_\_\_sed      *v.* to fall down or give way suddenly, often after breaking apart
51. medical l\_b      *n.* a workplace for the conduct of scientific research; a laboratory
52. as\_\_\_\_le a jigsaw puzzle      *v.* to collect in one place as a single group
53. a va\_\_\_\_le species      *adj.* likely to change or vary often; (noun) a symbol, like x or y, that is used in mathematical or logical expressions to represent a value that may be changed
54. re\_\_\_\_te the feeling of the 1920s      *v.* to make something that existed previously happen or appear to exist again
55. syn\_\_\_\_ze information      *v.* to combine a substance to make a more complex product or compound
56. re\_\_r to a map      *v.* to direct someone's attention, thoughts, or questions to another source or person; to mention, cite, or allude to something as evidence or support
57. the def\_\_\_\_on of a word      *n.* a concise explanation of the meaning of a word, phrase, or symbol
58. detect an\_\_\_\_n      *n.* a substance that triggers the body's immune response (= the reaction for fighting infections) for defending the body, especially by producing antibodies (= proteins that identify and attack harmful bacteria, viruses, etc.)
59. re\_\_\_\_e book      *n.* a set of instructions for preparing a dish, including the ingredients and the method of cooking

ANSWERS: 50. collapse, 51. lab, 52. assemble, 53. variable, 54. recreate, 55. synthesize, 56. refer, 57. definition, 58. antigen, 59. recipe

60. in\_\_\_t other animal species      *v.* to affect a person, an animal, or a plant with a disease-causing organism
61. st\_\_\_\_th of the economy      *n.* the quality or state of being physically, or sometimes mentally, strong
62. provide ad\_\_\_\_te funding      *adj.* enough, acceptable, satisfactory for a particular purpose or need
63. fr\_\_\_\_nt absence      *adj.* happening constantly
64. cl\_\_\_\_al surgery      *adj.* of or relating to the examination and treatment of patients rather than theoretical or laboratory studies
65. co\_\_\_\_al combination of funds      *adj.* belonging to or used by a group rather than individuals; for common use
66. ec\_\_\_\_cs professor      *n.* the branch of social science that deals with the production, consumption, and transfer of goods and services
67. as\_\_\_\_le your colleagues      *v.* to collect in one place as a single group
68. die in sp\_\_e of intensive care      *n.* feelings of anger and resentment; (in spite of, also despite) a phrase that is used to indicate that something happened or exists even though there is a particular obstacle or difficulty
69. ex\_\_\_\_ng football player      *adj.* causing a lot of interest or excitement
70. decision-making pr\_\_\_\_s      *n.* a series of actions or operations performed to achieve a particular outcome or goal; a systematic procedure or approach used to accomplish a specific task or objective; a method of treating milk to make it suitable for consumption or use in other dairy products

ANSWERS: 60. infect, 61. strength, 62. adequate, 63. frequent, 64. clinical, 65. communal, 66. economics, 67. assemble, 68. spite, 69. exciting, 70. process

71. sequencing of the human ge\_\_\_e      *n.* the complete set or sequence of genes of a human, animal, plant, or other living things
72. par\_\_\_\_\_te fully in conversation      *v.* to take part in something
73. re\_\_\_\_\_ve factors      *adj.* considered and evaluated through comparison with something else
74. me\_\_\_\_\_n name      *v.* to speak or write about something or someone briefly
75. pr\_\_\_\_\_s improvement      *n.* a series of actions or operations performed to achieve a particular outcome or goal; a systematic procedure or approach used to accomplish a specific task or objective; a method of treating milk to make it suitable for consumption or use in other dairy products
76. bu\_\_\_\_\_n of disease      *n.* a duty, responsibility, etc. that is oppressive or worrisome; a load, typically a heavy one that is difficult to carry
77. ha\_\_\_\_\_e a precious object      *v.* to deal with a situation, problem, or strong emotion
78. in\_\_\_\_\_e heat      *adj.* (especially of a feeling) very strong; extremely sharp or severe
79. co\_\_\_\_\_st two things      *v.* to put in opposition to show or emphasize differences
80. exp\_\_\_\_\_nt design      *n.* the scientific test conducted to observe what happens and gain new knowledge
81. me\_\_\_\_\_n in a report      *v.* to speak or write about something or someone briefly

ANSWERS: 71. genome, 72. participate, 73. relative, 74. mention, 75. process, 76. burden, 77. handle, 78. intense, 79. contrast, 80. experiment, 81. mention



82. in\_\_\_\_\_e a lot of paperwork      *v.* to include or affect someone or something as a necessary part of something else
83. va\_\_\_\_\_te every year      *v.* to treat with a vaccine, usually by injection, to produce immunity against a disease
84. a fr\_\_\_\_\_onal share of the vote      *n.* a small part or item forming a piece of a whole; the quotient of two rational numbers
85. id\_\_\_\_\_fy gene sequences      *v.* to recognize someone or something and say or prove who or what they are
86. bear sp\_\_\_e against him      *n.* feelings of anger and resentment; (in spite of, also despite) a phrase that is used to indicate that something happened or exists even though there is a particular obstacle or difficulty
87. treat the in\_\_\_\_\_on with antibiotics      *n.* a condition in which pathogenic microorganisms or viruses have entered the body
88. a remote re\_\_\_\_\_ve      *adj.* considered and evaluated through comparison with something else
89. blood-sucking pa\_\_\_\_\_te      *n.* an organism that lives on or in another organism and benefits by deriving nutrients at the other's expense
90. sl\_\_\_e a card across the table      *v.* to move or cause to move smoothly along a surface without interruption
91. co\_\_\_\_\_st with a decade ago      *v.* to put in opposition to show or emphasize differences
92. ex\_\_\_\_\_ng news      *adj.* causing a lot of interest or excitement

ANSWERS: 82. involve, 83. vaccinate, 84. fraction, 85. identify, 86. spite, 87. infection, 88. relative, 89. parasite, 90. slide, 91. contrast, 92. exciting

93. fa\_\_h in government *n.* complete trust in something or someone's ability or knowledge; a strong belief in religion, divine power, etc.
94. re\_\_\_e collection *n.* a set of instructions for preparing a dish, including the ingredients and the method of cooking
95. series of exp\_\_\_\_\_nts *n.* the scientific test conducted to observe what happens and gain new knowledge
96. re\_\_\_\_\_te a single country *v.* to make something that existed previously happen or appear to exist again
97. co\_\_\_t study *n.* a group of people who share a common characteristic, experience, or background and are usually studied as a single unit in research or analysis; a companion or ally
98. bre\_\_\_\_\_ugh in the negotiations *n.* a sudden, dramatic, and important discovery or development that helps to improve a situation or provide an answer to a problem
99. ad\_\_\_\_\_e a cooperative relationship *v.* to go or move forward; to develop in a positive way
100. an int\_\_\_\_\_nce test *n.* the ability to learn, comprehend, or make judgments or conclusions based on reasons
101. a si\_\_\_\_\_ys market *adv.* towards or from the side; with one side forward or to the front; (adjective, of movement) at an angle

ANSWERS: 93. faith, 94. recipe, 95. experiment, 96. recreate, 97. cohort, 98. breakthrough, 99. advance, 100. intelligence, 101. sideways

102. pr\_\_\_\_n synthesis *n.* a molecule made up of a long chain of amino acids, which is essential for the structure and function of the body's tissues
103. religious fa\_\_h *n.* complete trust in something or someone's ability or knowledge; a strong belief in religion, divine power, etc.
104. co\_\_\_\_t research *v.* to organize and carry out a particular activity
105. at inc\_\_\_\_\_le speed *adj.* unbelievable; enormous
106. om\_\_s research *n.* a term used in various scientific disciplines, such as genomics, proteomics, and metabolomics, to refer to the large-scale analysis and understanding of biological systems and processes
107. con\_\_\_\_\_ion of armaments *n.* the ability to focus all your time and energy on one thing without thinking about anything else.
108. pa\_\_\_\_\_te disease *n.* an organism that lives on or in another organism and benefits by deriving nutrients at the other's expense
109. ad\_\_\_\_\_te parking facilities *adj.* enough, acceptable, satisfactory for a particular purpose or need
110. take several inputs sim\_\_\_\_\_sly *adv.* at the same time
111. an\_\_\_\_\_e a chemical compound *v.* to think about in-depth and evaluate to discover essential features or meaning

ANSWERS: 102. protein, 103. faith, 104. conduct, 105. incredible, 106. omics, 107. concentration, 108. parasite, 109. adequate, 110. simultaneously, 111. analyze

112. get con\_\_\_\_\_nt results *adj.* always behaving or happening in the same way, or having the same thoughts, standards, etc.
113. fr\_\_\_\_\_nt use *adj.* happening constantly
114. 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.)
115. a digital pl\_\_\_\_\_rm for enterprise *n.* the raised flat space close to the track at a train station where passengers get on or off the train; (technology) a computational or digital environment in which a piece of software is executed
116. co\_\_\_\_\_al swimming pool *adj.* belonging to or used by a group rather than individuals; for common use
117. es\_\_\_\_\_te this chicken to weigh three pounds *v.* to guess or calculate the cost, size, value, etc. of something
118. welfare ec\_\_\_\_\_cs *n.* the branch of social science that deals with the production, consumption, and transfer of goods and services
119. participate in cl\_\_\_\_\_al trials *adj.* of or relating to the examination and treatment of patients rather than theoretical or laboratory studies
120. is\_\_\_\_\_on booth *n.* the condition of being alone or lonely; the act or state of separation between persons or groups
121. the bo\_\_\_\_\_ry between reality and fantasy *n.* a real or imaginary line that marks the limit or extent of something and separates it from other things or places

ANSWERS: 112. consistent, 113. frequent, 114. vaccine, 115. platform, 116. communal, 117. estimate, 118. economics, 119. clinical, 120. isolation, 121. boundary

122. bre\_\_\_\_\_ugh discovery *n.* a sudden, dramatic, and important discovery or development that helps to improve a situation or provide an answer to a problem
123. re\_\_r to a book *v.* to direct someone's attention, thoughts, or questions to another source or person; to mention, cite, or allude to something as evidence or support
124. use of inn\_\_\_\_\_ve technology *adj.* introducing or using new methods, ideas, etc.
125. a numerator in a fr\_\_\_\_\_on *n.* a small part or item forming a piece of a whole; the quotient of two rational numbers
126. com\_\_\_\_\_ty theory *n.* the state or quality of being complicated or intricate and difficult to understand
127. inc\_\_\_\_\_le amount *adj.* unbelievable; enormous
128. sim\_\_\_\_\_sly affected *adv.* at the same time
129. col\_\_\_\_\_ion between companies *n.* the act or situation of working together to create or produce something
130. syn\_\_\_\_\_ze molecules *v.* to combine a substance to make a more complex product or compound
131. ha\_\_\_ed the incident *v.* to deal with a situation, problem, or strong emotion
132. an\_\_\_\_\_dy against bacteria *n.* a substance produced in the blood that attacks and kills harmful bacteria, viruses, etc., to fight disease
133. muscular st\_\_\_\_\_th *n.* the quality or state of being physically, or sometimes mentally, strong

ANSWERS: 122. breakthrough, 123. refer, 124. innovative, 125. fraction, 126. complexity, 127. incredible, 128. simultaneously, 129. collaboration, 130. synthesize, 131. handle, 132. antibody, 133. strength

134. di\_\_\_\_e prevention *n.* a disorder or illness that affects the body or mind, often characterized by specific symptoms or abnormal functioning of organs or systems
135. ov\_\_\_\_me all difficulties *v.* to succeed in controlling or dealing with something, such as a problem or difficulty; to defeat or overwhelm someone
136. academic tra\_\_\_\_pt *n.* a written or printed version of something, especially a dictated or recorded speech, interview, or conversation; an official record of a student's coursework and grades at a school or university
137. om\_\_s profiling techniques *n.* a term used in various scientific disciplines, such as genomics, proteomics, and metabolomics, to refer to the large-scale analysis and understanding of biological systems and processes
138. a rud\_\_\_\_ry plant *adj.* relating to basic facts or principles; fundamental
139. pr\_\_e for inside information *n.* a tool used for testing or examining, especially for medical or scientific purposes, or an exploratory mission to a planet or other celestial body; (verb) to investigate, examine, or search into something
140. viral an\_\_\_\_n *n.* a substance that triggers the body's immune response (= the reaction for fighting infections) for defending the body, especially by producing antibodies (= proteins that identify and attack harmful bacteria, viruses, etc.)

ANSWERS: 134. disease, 135. overcome, 136. transcript, 137. omics, 138. rudimentary, 139. probe, 140. antigen

141. a bacterial in\_\_\_\_\_on *n.* a condition in which pathogenic microorganisms or viruses have entered the body
142. lo\_\_\_e a tumor *v.* to specify or determine the exact position of someone or something
143. ready to co\_\_\_\_\_se *v.* to fall down or give way suddenly, often after breaking apart
144. the s\_\_n of a bird's wings *n.* the entire length of something, such as time or space from beginning to end; the amount of space that something covers
145. pri\_\_\_\_\_ze tasks *v.* to assign a higher level of importance to something compared to other things
146. par\_\_\_\_\_te in the program *v.* to take part in something
147. official tra\_\_\_\_\_pt *n.* a written or printed version of something, especially a dictated or recorded speech, interview, or conversation; an official record of a student's coursework and grades at a school or university
148. ov\_\_\_\_\_me opponents *v.* to succeed in controlling or dealing with something, such as a problem or difficulty; to defeat or overwhelm someone
149. ad\_\_\_\_\_e the technology *v.* to go or move forward; to develop in a positive way
150. th\_\_\_e in a society *v.* to grow vigorously; to make steady progress
151. bacterial pr\_\_\_\_\_me *n.* the entire complement of proteins that can be expressed by a genome, cell, tissue, or organism, including all of its functional forms and modifications

ANSWERS: 141. infection, 142. locate, 143. collapse, 144. span, 145. prioritize, 146. participate, 147. transcript, 148. overcome, 149. advance, 150. thrive, 151. proteome

152. a lunar pr\_\_e *n.* a tool used for testing or examining, especially for medical or scientific purposes, or an exploratory mission to a planet or other celestial body; (verb) to investigate, examine, or search into something
153. ra\_\_r air traffic control *n.* a technology that employs radio waves to locate items that cannot be seen
154. di\_\_\_\_e control *n.* a disorder or illness that affects the body or mind, often characterized by specific symptoms or abnormal functioning of organs or systems
155. geographical bo\_\_\_\_ry *n.* a real or imaginary line that marks the limit or extent of something and separates it from other things or places
156. carry a bu\_\_\_\_n *n.* a duty, responsibility, etc. that is oppressive or worrisome; a load, typically a heavy one that is difficult to carry
157. fall si\_\_\_\_ys *adv.* towards or from the side; with one side forward or to the front; (adjective, of movement) at an angle
158. do on a con\_\_\_\_nt basis *adj.* always behaving or happening in the same way, or having the same thoughts, standards, etc.
159. id\_\_\_\_fy handwriting *v.* to recognize someone or something and say or prove who or what they are
160. pr\_\_\_\_t the future *v.* to state beforehand that something will happen in the future, mainly based on knowledge or experience

ANSWERS: 152. probe, 153. radar, 154. disease, 155. boundary, 156. burden, 157. sideways, 158. consistent, 159. identify, 160. predict



ANSWERS:

## Session 3: Fill in the Blanks

1. Hospitals must meet various standards to prevent nosocomial \_\_\_\_\_.  
*n.* a condition in which pathogenic microorganisms or viruses have entered the body
2. The court reporter was responsible for creating a \_\_\_\_\_ of the trial proceedings.  
*n.* a written or printed version of something, especially a dictated or recorded speech, interview, or conversation; an official record of a student's coursework and grades at a school or university
3. The software can \_\_\_\_\_ and decode encrypted messages.  
*v.* to convert information into a code or format suitable for storage or transmission
4. The teacher attempted to \_\_\_\_\_ the root cause of our mistake.  
*v.* to think about in-depth and evaluate to discover essential features or meaning
5. He wandered the \_\_\_\_\_ between life and death by gunfire.  
*n.* a real or imaginary line that marks the limit or extent of something and separates it from other things or places
6. 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
7. Health and \_\_\_\_\_ are, above all, gold.  
*n.* the quality or state of being physically, or sometimes mentally, strong

ANSWERS: 1. infections, 2. transcript, 3. encode, 4. analyze, 5. boundary, 6. involves, 7. strength

8. The partnership program requires a mutual \_\_\_\_\_ between both agencies.  
*n.* the act or situation of working together to create or produce something
9. 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.)
10. The body needs a certain amount of \_\_\_\_\_ to build and repair tissues.  
*n.* a molecule made up of a long chain of amino acids, which is essential for the structure and function of the body's tissues
11. \_\_\_\_\_ a society is an organism.  
*adv.* relating to the essential features or concepts of anything
12. That statement by the prime minister drew \_\_\_\_\_ international criticism.  
*adj.* (especially of a feeling) very strong; extremely sharp or severe
13. That incident led to his \_\_\_\_\_.  
*n.* the condition of being alone or lonely; the act or state of separation between persons or groups
14. Two students answered the teacher's question \_\_\_\_\_.  
*adv.* at the same time
15. She \_\_\_\_\_ the atmosphere of the pre-war age with her stage setting.  
*v.* to make something that existed previously happen or appear to exist again

ANSWERS: 8. collaboration, 9. vaccine, 10. protein, 11. Essentially, 12. intense, 13. isolation, 14. simultaneously, 15. recreated

16. The robot can accurately \_\_\_\_\_ construction material.  
*v.* to specify or determine the exact position of someone or something
17. That car has a low environmental \_\_\_\_\_.  
*n.* a duty, responsibility, etc. that is oppressive or worrisome; a load, typically a heavy one that is difficult to carry
18. Most countries prohibit sexual activity between certain close \_\_\_\_\_.  
*adj.* considered and evaluated through comparison with something else
19. The new software program was designed to increase productivity by promoting employee \_\_\_\_\_.  
*n.* the interaction of elements that, when combined, produce a total effect that is greater than the sum of the individual elements
20. The findings of the experiment were both \_\_\_\_\_ and unexpected.  
*adj.* causing a lot of interest or excitement
21. This argument is still not \_\_\_\_\_.  
*adj.* enough, acceptable, satisfactory for a particular purpose or need
22. 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
23. He has only a \_\_\_\_\_ knowledge of this topic.  
*adj.* relating to basic facts or principles; fundamental
24. The organization \_\_\_\_\_ the needs of the community in its decision-making.  
*v.* to assign a higher level of importance to something compared to other things

ANSWERS: 16. locate, 17. burden, 18. relatives, 19. synergy, 20. exciting, 21. adequate, 22. parasites, 23. rudimentary, 24. prioritized

25. Scientific knowledge will \_\_\_\_\_ significantly with the power of AI.
- v. to go or move forward; to develop in a positive way
26. The \_\_\_\_\_ of students from the science program graduated with top honors.
- n. a group of people who share a common characteristic, experience, or background and are usually studied as a single unit in research or analysis; a companion or ally
27. If necessary, you can \_\_\_\_\_ the front seats forward.
- v. to move or cause to move smoothly along a surface without interruption
28. He tried to \_\_\_\_\_ a bad reputation and win the election.
- v. to succeed in controlling or dealing with something, such as a problem or difficulty; to defeat or overwhelm someone
29. \_\_\_\_\_ systems cannot spot the submarine.
- n. a technology that employs radio waves to locate items that cannot be seen
30. We can use this campaign as a bargaining \_\_\_\_\_ in the negotiations.
- n. a small fragment of something broken off from the whole; a long and thin piece of potato fried in oil or fat
31. The beach was \_\_\_\_\_ with seaweed after the storm.
- adj. flooded or overflowing with water, typically suddenly or unexpectedly; abundant or prevalent to the extent of being overwhelming or excessive
32. \_\_\_\_\_ testing is less accurate than PCR testing but easier to perform.
- n. a substance that triggers the body's immune response (= the reaction for fighting infections) for defending the body, especially by producing antibodies (= proteins that identify and attack harmful bacteria, viruses, etc.)

ANSWERS: 25. advance, 26. cohort, 27. slide, 28. overcome, 29. Radar, 30. chip, 31. awash, 32. Antigen

33. Please \_\_\_\_\_ to the instruction manual for further assistance.

- v.* to direct someone's attention, thoughts, or questions to another source or person; to mention, cite, or allude to something as evidence or support

34. You are not \_\_\_\_\_ in your behavior.

- adj.* always behaving or happening in the same way, or having the same thoughts, standards, etc.

35. She glanced \_\_\_\_\_ at the conversation of the boy she was interested in.

- adv.* towards or from the side; with one side forward or to the front; (adjective, of movement) at an angle

36. 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

37. A technique called deep learning has led to \_\_\_\_\_ in AI.

- n.* a sudden, dramatic, and important discovery or development that helps to improve a situation or provide an answer to a problem

38. This artwork is \_\_\_\_\_ of her work.

- adj.* having the usual characteristics or traits of a specific group of things

39. Without investment, a business cannot \_\_\_\_\_.

- v.* to grow vigorously; to make steady progress

40. She received special \_\_\_\_\_ training at the hospital.

- adj.* of or relating to the examination and treatment of patients rather than theoretical or laboratory studies

ANSWERS: 33. refer, 34. consistent, 35. sideways, 36. genome, 37. breakthroughs, 38. typical, 39. thrive, 40. clinical

41. Parallel lines are, by \_\_\_\_\_ lines on the same plane that never cross.  
*n.* a concise explanation of the meaning of a word, phrase, or symbol
42. He slightly modified the \_\_\_\_\_ of training because it was just before a match.  
*n.* the entire length of something, such as time or space from beginning to end; the amount of space that something covers
43. His \_\_\_\_\_ showed highly positive results.  
*n.* the scientific test conducted to observe what happens and gain new knowledge
44. 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
45. The majority of students actively \_\_\_\_\_ in the college's intramural sports program.  
*v.* to take part in something
46. He kept his robust \_\_\_\_\_ in his company.  
*n.* complete trust in something or someone's ability or knowledge; a strong belief in religion, divine power, etc.
47. The \_\_\_\_\_ for the cake is passed down from generation to generation in her family.  
*n.* a set of instructions for preparing a dish, including the ingredients and the method of cooking
48. I will introduce you to how to \_\_\_\_\_ the leading causes of the malfunction.  
*v.* to recognize someone or something and say or prove who or what they are

ANSWERS: 41. definition, 42. span, 43. experiments, 44. intelligence, 45. participated, 46. faith, 47. recipe, 48. identify

49. Her response revealed \_\_\_\_\_ idiocy.

*adj.* unbelievable; enormous

50. His class will cover an introduction to agricultural \_\_\_\_\_.

*n.* the branch of social science that deals with the production, consumption, and transfer of goods and services

51. Rainfall in the tropics is highly \_\_\_\_\_.

*adj.* likely to change or vary often; (noun) a symbol, like x or y, that is used in mathematical or logical expressions to represent a value that may be changed

52. 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

53. Police will \_\_\_\_\_ random breath testing for drunk driving.

*v.* to organize and carry out a particular activity

54. The president began to \_\_\_\_\_ an army.

*v.* to collect in one place as a single group

55. NASA sent a \_\_\_\_\_ to study the atmosphere of Jupiter.

*n.* a tool used for testing or examining, especially for medical or scientific purposes, or an exploratory mission to a planet or other celestial body; (verb) to investigate, examine, or search into something

56. The speaker mounted the \_\_\_\_\_ and started to speak.

*n.* the raised flat space close to the track at a train station where passengers get on or off the train; (technology) a computational or digital environment in which a piece of software is executed

ANSWERS: 49. incredible, 50. economics, 51. variable, 52. malaria, 53. conduct, 54. assemble, 55. probe, 56. platform



57. The Prime Minister stressed the need to create \_\_\_\_\_ industries.  
*adj.* introducing or using new methods, ideas, etc.
58. The roof finally \_\_\_\_\_ after three days and three nights of heavy snowfall.  
*v.* to fall down or give way suddenly, often after breaking apart
59. The project's \_\_\_\_\_ made it difficult for the team to complete it on time.  
*n.* the state or quality of being complicated or intricate and difficult to understand
60. The Prime Minister will pay a courtesy visit to the Nobel laureate's \_\_\_\_\_.  
*n.* a workplace for the conduct of scientific research; a laboratory
61. The \_\_\_\_\_ for applying for a visa can be lengthy and complicated.  
*n.* a series of actions or operations performed to achieve a particular outcome or goal; a systematic procedure or approach used to accomplish a specific task or objective; a method of treating milk to make it suitable for consumption or use in other dairy products
62. This exam requires excellent \_\_\_\_\_ to pass.  
*n.* the ability to focus all your time and energy on one thing without thinking about anything else.
63. It's intriguing to compare and \_\_\_\_\_ the two authors.  
*v.* to put in opposition to show or emphasize differences
64. The nurse \_\_\_\_\_ the children in the school.  
*v.* to treat with a vaccine, usually by injection, to produce immunity against a disease

ANSWERS: 57. innovative, 58. collapsed, 59. complexity, 60. lab, 61. process, 62. concentration, 63. contrast, 64. vaccinated

65. \_\_\_\_\_ elections were held in several European countries.  
*adj.* belonging to or used by a group rather than individuals; for common use
66. We must \_\_\_\_\_ a new system to streamline our workflow and increase efficiency.  
*v.* to grow or expand; to improve or refine through a process of progress and refinement, often to achieve greater sophistication or complexity; to elaborate or add detail to something that is in the process of being created
67. Scientists are studying the human \_\_\_\_\_ to understand better how proteins work in the body.  
*n.* the entire complement of proteins that can be expressed by a genome, cell, tissue, or organism, including all of its functional forms and modifications
68. This pharmaceutical company is developing \_\_\_\_\_ drugs with fewer side effects.  
*n.* a substance produced in the blood that attacks and kills harmful bacteria, viruses, etc., to fight disease
69. \_\_\_\_\_ data integration allows us to create a holistic view of cellular processes.  
*n.* a term used in various scientific disciplines, such as genomics, proteomics, and metabolomics, to refer to the large-scale analysis and understanding of biological systems and processes
70. Children often \_\_\_\_\_ parents with this head cold.  
*v.* to affect a person, an animal, or a plant with a disease-causing organism
71. We \_\_\_\_\_ the season's total trade deficit at \$50 billion.  
*v.* to guess or calculate the cost, size, value, etc. of something

ANSWERS: 65. Communal, 66. develop, 67. proteome, 68. antibody, 69. Omics, 70. infect, 71. estimated

72. The doctor diagnosed him with a rare \_\_\_\_\_ that had no known cure.  
*n.* a disorder or illness that affects the body or mind, often characterized by specific symptoms or abnormal functioning of organs or systems
73. He spent only a \_\_\_\_\_ of his earnings.  
*n.* a small part or item forming a piece of a whole; the quotient of two rational numbers
74. He did it out of \_\_\_\_\_ to annoy me.  
*n.* feelings of anger and resentment; (in spite of, also despite) a phrase that is used to indicate that something happened or exists even though there is a particular obstacle or difficulty
75. We all should learn how to \_\_\_\_\_ stress.  
*v.* to deal with a situation, problem, or strong emotion
76. It's notoriously challenging to \_\_\_\_\_ birth rates.  
*v.* to state beforehand that something will happen in the future, mainly based on knowledge or experience
77. I \_\_\_\_\_ to him that I had seen his sister at the grocery store earlier that day.  
*v.* to speak or write about something or someone briefly
78. His heartaches are less \_\_\_\_\_ now.  
*adj.* happening constantly
79. The military \_\_\_\_\_ between the two countries created tension in the international community.  
*n.* the state of a cooperative relationship between people or groups, especially in business

ANSWERS: 72. disease, 73. fraction, 74. spite, 75. handle, 76. predict, 77. mentioned, 78. frequent, 79. partnership

80. The spider can \_\_\_\_\_ multiple different silk proteins.

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

ANSWERS: 80. synthesize