

Englist.me



Vocabulary Builder Reference from...

Radhika Nagpal: What intelligent machines can learn from a school of fish | TED Talk

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

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

graduate

n. a person who has a first degree from university or college; (verb) to complete the first course of university or college and get a degree

synonym : alumna, alum, grad

(1) **graduate** degree program, (2) honor **graduate**

Many employers hire **graduate** trainees to train as managers.

snorkel

n. a tube-like device used for breathing underwater, with one end in the mouth and the other above the surface of the water

synonym : tube, breather

(1) **snorkel** gear, (2) scuba **snorkel**

The **snorkel** rental shop provided us with a map of the nearby snorkel sites.

terrifying

adj. very frightening or intimidating

synonym : frightening, intimidating, alarming

(1) **terrifying** experience, (2) **terrifying** events

Large earthquakes often generate **terrifying** tsunamis.

stripe

n. a long, narrow band of a different color or texture than the surface on which it appears

synonym : line, band, streak

(1) a white **stripe**, (2) **stripe** texture
The plates have a blue **stripe** around the edge.

straight

adj. extending or moving in one direction without bending or curving; having no deviations

synonym : linear, honest, consecutive

(1) a **straight** line, (2) **straight** for two months
He was sick for five **straight** days.

suddenly

adv. quickly and unexpectedly

synonym : abruptly, unexpectedly, unawares

(1) **suddenly** attacked by an enemy, (2) die **suddenly**
Who answers **suddenly** knows little.

swerve

v. to change direction suddenly, often to avoid something or to turn sharply

synonym : veer, deviate, curve

(1) **swerve** off the road, (2) **swerve** from the topic
The driver had to **swerve** to avoid hitting the deer in the middle of the road.

absolutely

adv. without restriction or limitation; completely or utterly

synonym : completely, utterly, definitely

(1) **absolutely** against, (2) **absolutely** obsessed with the girl

I am **absolutely** opposed to his idea because of morality.

mesmerize

v. to captivate or fascinate; to hold the complete attention of

synonym : captivate, trance, enchant

(1) **mesmerize** a subject, (2) **mesmerize** with magic
The magician's performance **mesmerized** the audience.

entity

n. something that exists independently and has its own identity

synonym : body, object, existent

(1) legal **entity**, (2) government **entity**

A company is a distinct legal **entity**.

decision

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

synonym: choice, determination, judgment

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

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

determinant

n. a factor, circumstance, or condition that contributes to the shaping, influencing, or determining of a particular outcome or result

synonym: cause, factor, element

(1) environmental **determinant**, (2) a **determinant** of crop yields

One **determinant** of success is having a positive attitude and a strong work ethic.

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.

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**.

computation

n. the act or process of calculating something, especially an answer or amount, by using a machine or calculator

synonym : calculation, estimation, arithmetic

(1) parallel **computation**, (2) theory of **computation**

The researcher demonstrated the superiority of quantum **computation** in several mathematical tasks.

display

v. to exhibit or show something to others, often to attract attention or demonstrate its features, properties, or value

synonym : show, exhibit, present

(1) **display** merchandise, (2) **display** artwork

We need to **display** our products in an attractive way to attract customers.

fiction

n. the type of book or story, especially novels, that describes imaginary events and people; anything made up or imagined that is not true

synonym : fantasy, fable, invention

(1) stuff of science **fiction**, (2) non- **fiction** bestseller

Truth is stranger than **fiction**.

fan

n. a person who admires and supports a person, group, sport, sports team, etc.; a device for creating a current of air by the movement of a surface or surfaces

synonym : lover, devotee, blade

(1) a film **fan**, (2) engine cooling **fan**

I'm a big **fan** of French food.

flock

n. a gathering of sheep, goats, or birds

synonym : herd, crowd, assembly

(1) **flock** of sheep, (2) **flock** of spectator

When a **flock** of birds flies in, the hunt begins.

starling

n. a bird with dark and iridescent feathers, often found in large flocks

(1) **starling** bird, (2) **starling** migration

The **starling** flock created a mesmerizing display in the sky.

individual

n. a single person or thing, as distinct from a group
synonym : person, being, self

(1) a private **individual**, (2) **individual** freedom

As an **individual**, he had the right to make his own decisions and live his life as he saw fit.

myopic

adj. near-sighted; lacking foresight or ability to plan; narrow-minded or lacking in perspective

synonym : nearsighted, short-sighted, unforesightful

(1) **myopic** vision, (2) **myopic** thinking

His **myopic** view of the situation prevented him from seeing the bigger picture.

property

n. a thing or things that belong to someone

synonym : belongings, possessions, equity

(1) a man of **property**, (2) chemical **property**

He stood to inherit a million-dollar **property**.

secondly

adv. used to introduce the second point or item in a list or series of statements, considerations, etc.

synonym : in the second place, next, subsequently

(1) **secondly** connected, (2) **secondly**, it is important

Firstly, we will discuss the budget; **secondly**, we will go over the schedule.

remarkable

adj. worthy of attention because unusual or special

synonym : outstanding, exceptional, extraordinary

(1) **remarkable** achievement, (2) the **remarkable** breadth of knowledge

The election was a **remarkable** success for the Whigs.

supervise

v. to watch over and direct someone or something, especially in a position of responsibility

synonym : oversee, manage, control

(1) **supervise** entrance test takers, (2) **supervise** team activity

She was asked to **supervise** the construction project.

incredible

adj. unbelievable; enormous

synonym: unbelievable, fantastical, inconceivable

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

Her response revealed **incredible** idiocy.

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.

purity

n. the state of being undiluted or unmixed with anything else; the state of being free from immorality, especially of a sexual nature

synonym: sinlessness, innocence, cleanliness

(1) the degree of **purity**, (2) high **purity**

Higher **purity** requires additional equipment and energy.

interaction

n. the act of connecting with someone, mainly when working, playing, or spending time with them

synonym: dealings, exchange, relations

(1) the **interaction** between man and his environment,

(2) **interaction** among human beings

The **interaction** of the two groups is good for brainstorming.

engagement

n. a mutual promise to marry someone; an agreement to do something, especially at a particular time

synonym: betrothal, promise, commitment

(1) a prior **engagement**, (2) break off an **engagement**

They selected a gorgeous diamond **engagement** ring.

primary

adj. first or highest in rank, order, or importance; most fundamental or essential; pertaining to the initial or introductory stage of something, such as a school year or election cycle

synonym : chief, main, fundamental

(1) **primary** school, (2) **primary** education

The **primary** cause of the accident was due to the icy road conditions.

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**.

abstract

adj. based on general ideas, feelings, or qualities and not on any a physical or concrete existence

synonym : conceptual, theoretical, ideational

(1) an **abstract** noun, (2) **abstract** science

The invention of the camera triggered the development of **abstract** painting.

mathematics

n. the science dealing with the logic of quantities, shapes, spaces, and arrangement

synonym : arithmetic, calculation, calculus

(1) a good grounding in **mathematics**, (2) **mathematics** competition

He has a flair for **mathematics**.

biology

n. the scientific study of life and the natural processes of living things

(1) evolutionary **biology**, (2) cell and molecular **biology**

In junior high school, we had to dissect a frog in **biology** class.

experimental

adj. relating to or based on new ideas, forms, methods, etc. that have not been tried before, usually to find out what effect they have

synonym : empirical, exploratory, observed

(1) **experimental** data, (2) **experimental** design

The product is still in the **experimental** stage.

robotic

adj. of or relating to mechanical robots; (robotics) the interdisciplinary branch of computer science and engineering with the practical use of robots

synonym : automated, mechanical, laborsaving

(1) **robotic** arm, (2) **robotic** guide operation

The surgeon removed the tumor using **robotic** video assistance.

quest

n. a long or challenging search for something

synonym : exploration, inquisition, pursuit

(1) the **quest** for truth, (2) on a **quest** for happiness

That adventurer traveled in **quest** of buried treasure.

colony

n. a country or an area that is governed by a more powerful country that is often far away

synonym : settlement, territory, plantation

(1) plant a **colony**, (2) a **colony** of bacteria

The **colony** declared its independence and became a republic.

exhibit

v. to show something in public for people to enjoy or to provide them with information

synonym : display, expose, show

(1) **exhibit** a bad attitude, (2) **exhibit** a great talent

Other technology industries **exhibit** similarly explosive growth.

quarter

n. one of four equal parts; a fourth part or portion

synonym : fourth, one-fourth

(1) a **quarter** mile, (2) end of the first **quarter**

The unemployment rate in the first **quarter** was 2.3 percentage points higher than in the previous.

wireless

adj. of or relating a connection or communication that does not require a physical wire or cable, often through the use of radio waves or electromagnetic signals

synonym : cordless, radio

(1) **wireless** access, (2) **wireless** charging

The office's **wireless** network allows employees to work from anywhere in the building.

communicate

v. to share or exchange information with others by speaking, writing, moving your body, or using other signals

synonym : convey, share, transmit

(1) **communicate** his anxieties to the psychiatrist,

(2) **communicate** well with my advisor

Dolphins use sound to **communicate** with each other.

distance

n. the amount of space between two points, measured in units such as miles, meters, or kilometers; the extent, scope, or range between two things, such as distance or emotional distance

synonym : space, gap, span

(1) driving **distance**, (2) social **distance**

The marathon runner covered a long **distance** in a short amount of time.

spontaneous

adj. happening or being done naturally, often unexpected way, without being made to happen

synonym : willing, impulsive, intuitive

(1) a **spontaneous** behavior, (2) **spontaneous** labor

The crowd broke out into **spontaneous** laughter.

synchronize

v. to happen or cause to happen at the same time or rate

synonym : coordinate, accompany, harmonize

(1) **synchronize** movements, (2) **synchronize** our watches

The ball speed will increase when the lower body movements are perfectly **synchronized**.

clap

v. to hit your hands together and make a short and loud noise, mainly to show your approval or praise

synonym : applaud, spat, acclaim

(1) **clap** my hands, (2) **clap** a book shut

We **clapped** along with the singer's song.

firefly

n. a flying nocturnal insect common in warm regions with a tail that shines in the dark

(1) the glow of a **firefly**, (2) sparkle like **firefly**

In that country, there is a culture of eating live **firefly** squid.

flash

n. a sudden intense burst of radiant energy; a momentary brightness

synonym : sparkle, gleam, glimmer

(1) a **flash** of lightning, (2) brilliant **flash**

These heavy rains caused **flash** floods on several islands.

tissue

n. an ensemble of similar cells of the animal or plant that together carry out a specific function

synonym : structure, texture, anatomy

(1) a facial **tissue**, (2) loss of muscle **tissue**

The researcher separated the nervous **tissue** for microscopic examinations.

migration

n. the movement of animals to a new location, frequently as the seasons change

synonym : exodus

(1) the **migration** of birds, (2) overseas **migration**

There was a **migration** of impoverished farmers into the towns.

combine

v. to join or merge to form a single thing or group

synonym : coalesce, cohere, blend

(1) **combine** chemically with another substance,
(2) **combine** augmented reality
Hydrogen and oxygen **combine** to form water.

entirely

adv. completely

synonym: completely, fully, totally

(1) **entirely** satisfied with the meal, (2) he was **entirely** to blame

Later, his claim was found to be **entirely** false.

stationary

adj. not moving or not capable of being changed

synonym: fixed, immobile, changeless

(1) remain **stationary**, (2) **stationary** bike

Stationary vehicles in traffic jams produce a tremendous amount of pollution.

blob

n. a small amount or drop of a thick liquid or sticky substance

synonym: chunk, lump, hunk

(1) a big **blob** of yellow, (2) a **blob** of jelly

A **blob** of ink fell on the floor.

sufficient

adj. adequate; enough for a particular purpose or requirement

synonym: acceptable, ample, satisfactory

(1) **sufficient** time, (2) self- **sufficient** economy

That candidate does not have **sufficient** means to win an election with certainty.

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.

complicated

adj. involving a lot of different things or parts in a way that is difficult to understand or analyze

synonym: complex, convoluted, intricate

(1) a **complicated** process, (2) become increasingly

complicated

He did **complicated** pen-and-ink drawings in just a few days.

assembly

n. a group of people who have been elected, especially one that meets regularly and makes decisions or laws for a specific region or country

synonym: crowd, gathering, mass

(1) **assembly** line, (2) **assembly** hall

This company's **assembly** plant is an enormous facility.

structure

n. the way of construction of something and the arrangement of its parts, or a complex thing constructed of many parts

synonym: construction, architecture, establishment

(1) the **structure** of a machine, (2) **structure** and function of the brain

The organizational **structure** of start-ups is often flat and straightforward.

robust

adj. sturdy and healthy in form, constitution, or construction; strong enough to withstand or overcome intellectual challenges or adversity

synonym: healthy, strong, booming

(1) **robust** growth, (2) a **robust** appetite

The experiment yielded **robust** results that support his theory.

illusion

n. a false idea or belief, especially about somebody or about a situation

synonym: delusion, fallacy, magic trick

(1) optical **illusion**, (2) the **illusion** of being in the forest

He could no longer tell the difference between **illusion** and reality.

dimension

n. a measurable extent of a particular kind, such as width, height, or length

synonym: extent, measurement, size

(1) new **dimension**, (2) the crosswise **dimension**

Overall **dimensions** are approximately 400x200mm.

inspiration

n. something that motivates or encourages someone to create or achieve something, or a feeling of excitement or creativity

synonym: motivation, drive, encouragement

(1) source of **inspiration**, (2) get **inspiration** from nature

He found **inspiration** in the works of his favorite authors.

insect

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

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

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

mound

n. a raised area of ground or dirt, often used for burial, construction, or as a fortification; a large, rounded pile or heap

synonym: hill, knoll, rise

(1) **mound** of dirt, (2) burial **mound**

The team discovered a hidden **mound** in the desert.

termite

n. a small, pale social insect that feeds on wood and can cause significant damage to wooden structures and furniture

synonym: woodworm, white ant, insect

(1) **termite** damage, (2) **termite** inspection

The house was infested with **termites** and required extensive repairs.

ant

n. a very small insect that lives under the ground or in a mound in highly organized groups

synonym: pismire, insect

(1) a white **ant**, (2) **ant** bite

We can find many large **ant** mounds in this area.

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.

nest

n. a structure in which animals lay their eggs or give birth to their young

synonym: roost, perch, burrow

(1) bird's **nest**, (2) a **nest** of thieves

The female birds build a **nest** and lay their eggs in May.

mud

n. a soft, wet, sticky earth or clay

synonym: muck, sludge, ooze

(1) **mud** wall, (2) **mud** volcano

The **mud** of the swamp made it difficult to walk through the field.

simulate

v. to make a pretense of someone's behavior or looks; to reproduce something that exists in real life using computers, models, etc., usually for study or training purposes

synonym: pretend, imitate, mimic

(1) **simulate** climate change, (2) **simulate** a future scenario

He had painted the wood to **simulate** stone.

traverse

v. to cross or move through a land or water area

synonym: cross, pass through, travel over

(1) **traverse** the region, (2) **traverse** a vast extent of sea

Approximately 1000 automobiles **traverse** the bridge every day.

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.

tower

n. a structure that is exceptionally high in proportion to its width and either forms part of a building or stands alone

synonym : building, belfry, edifice

(1) a bell **tower**, (2) the **tower** on a cliff
She is a **tower** of strength for our team in trouble.

lift

v. to raise something to a higher position or level; to pick up something or somebody and move them to a different position

synonym : raise, elevate, move up

(1) **lift** sagging skin, (2) **lift** a ban on alcohol
The drought **lifted** the prices of grain globally.

edit

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

synonym : revise, modify, adjust

(1) **edit** a history book, (2) **edit** a video
I need to **edit** this document before submitting it to my boss.

levee

n. an artificial embankment or wall built to prevent a river or low-lying land from flooding

synonym : dike, embankment, floodwall

(1) **levee** protection, (2) **levee** breach
The concrete **levee** protects from the rising river during floods.

shore

n. the land along the edge of a sea, lake, broad river, or other large body of water; (verb) to support by placing against something solid or rigid

synonym : coast, seaside, beach

(1) a sandy **shore**, (2) **shore** up demand
The waves are beating against the **shore**.

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.

obsess

v. to fill the mind of someone continually so that one can't think of anything else

synonym: torment, beset, engross

(1) **obsess** over her weight, (2) he is **obsessed** with the fear

He's utterly **obsessed** with his promotion.

tribe

n. a social group made up of members who live together, sharing the same language, culture, religion, etc., especially those who do not live in towns or cities

synonym: family, clan, kinsfolk

(1) aboriginal **tribe**, (2) mountain **tribe**

The **tribe** had distinctly defined gender roles.

vision

n. the ability to think about or see the future with imagination and intelligence; the faculty of being able to see

synonym: sight, image, concept

(1) a prodigious **vision**, (2) telescopic **vision**

Driving is difficult for me because of my poor **vision**.

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**.

conceptual

adj. related to or founded on ideas, principles

synonym: theoretical, abstract, ideational

(1) **conceptual** art, (2) new **conceptual** framework

He has absolutely no **conceptual** comprehension of maths.

flood

n. a large amount of water flowing beyond its normal limits; an overwhelming number or amount

synonym: deluge, downpour, overflow

(1) **flood** advisory, (2) a **flood** of questions

These heavy rains caused flash **floods** on several islands.

barrier

n. a fence or other obstruction that makes it hard to move or get in; any condition that makes it difficult to make progress or to achieve an objective

synonym: border, barricade, fence

(1) cost **barrier**, (2) information **barrier**

The police placed a **barrier** across the street to halt traffic.

pollinate

v. to transfer pollen from the male part of a flower to the female part, thereby fertilizing the plant and allowing it to produce fruit or seeds; to spread or disseminate an idea or influence to others

synonym: fertilize, propagate

(1) **pollinate** plants, (2) **pollinate** fruit trees

Without bees to **pollinate** the flowers, many crops would not exist.

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**.

underwater

adv. below or under the surface of the water

synonym: submerged, undersea, submarine

(1) hold my breath **underwater**, (2) seals sleep **underwater**

He is good at swimming **underwater**.

monitor

v. to observe, check, and track the progress or quality of something over a period of time

synonym : proctor, check, observe

(1) **monitor** an exam, (2) **monitor** the data carefully
They used a special receiver to **monitor** police radio channels.

coral

n. a rock-like substance created in the sea by groupings of specific types of small animals, commonly used in jewelry

(1) **coral** island, (2) **coral** ornament
She is wearing a **coral** necklace.

reef

n. a long chain or range of rocks or sand near the ocean's surface

(1) barrier **reef**, (2) coral **reefs**
The vessel ran aground on a **reef**.

constellation

n. a group of stars that form a recognizable pattern and have a name; a group of related or similar ideas, things, or people

synonym : asterism, array, pattern

(1) the stars of the Scorpion **constellation**, (2) northern **constellation**
Navigators still use the Little Bear **constellation** at sea.

satellite

n. an electronic device that is sent up into space and moves around the Earth or another planet, used for gathering information or communicating by radio, television, etc.

synonym : orbiter, asteroid, moon

(1) a GPS **satellite**, (2) a meteorological **satellite**
Launching an artificial **satellite** contributed to the technological development of our country.

manifestation

n. a visible or tangible form of something, especially a particular sign of a disease or condition

synonym : expression, embodiment, presentation

(1) **manifestation** of a deeper problem, (2) **manifestation**

of psychological stress

The **manifestation** of his anxiety was evident in his shaking hands.

evolutionary

adj. relating to or denoting how living things develop or change from earlier forms

synonym: developmental, mutative, transformative

(1) ecology and **evolutionary** biology, (2) the **evolutionary** process

Evolutionary algorithms can find ways to optimize that humans do not anticipate.

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.

improvisation

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

synonym: spontaneity, ad-lib, extemporization

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

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

improve

v. to make or become better

synonym: enhance, ameliorate, enrich

(1) **improve** a process, (2) **improve** the test score

We want to **improve** ties between our two countries.

technological

adj. based on scientific and industrial progress

synonym: specialized, technical

(1) **technological** advancement, (2) **technological** policy

Technological advances have disrupted many 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.

Session 2: Spelling

- | | |
|--|---|
| 1. new di_____on | <i>n.</i> a measurable extent of a particular kind, such as width, height, or length |
| 2. c__p a book shut | <i>v.</i> to hit your hands together and make a short and loud noise, mainly to show your approval or praise |
| 3. fl__k of spectator | <i>n.</i> a gathering of sheep, goats, or birds |
| 4. e__t a history book | <i>v.</i> to prepare written material for publication by correcting, condensing, or otherwise modifying it |
| 5. c__p my hands | <i>v.</i> to hit your hands together and make a short and loud noise, mainly to show your approval or praise |
| 6. on a qu__t for happiness | <i>n.</i> a long or challenging search for something |
| 7. as_____ly line | <i>n.</i> a group of people who have been elected, especially one that meets regularly and makes decisions or laws for a specific region or country |
| 8. en_____er shortage | <i>n.</i> a person whose job is designing, building, or maintaining something such as machines, structures, or software |
| 9. im_____e the test score | <i>v.</i> to make or become better |
| 10. the il_____on of being in the forest | <i>n.</i> a false idea or belief, especially about somebody or about a situation |
| 11. c__p herbicide | <i>n.</i> a plant that is cultivated in large amounts, particularly for food |

ANSWERS: 1. dimension, 2. clap, 3. flock, 4. edit, 5. clap, 6. quest, 7. assembly, 8. engineer, 9. improve, 10. illusion, 11. crop

12. theory of com_____on *n.* the act or process of calculating something, especially an answer or amount, by using a machine or calculator
13. 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
14. sn_____l gear *n.* a tube-like device used for breathing underwater, with one end in the mouth and the other above the surface of the water
15. cost ba_____r *n.* a fence or other obstruction that makes it hard to move or get in; any condition that makes it difficult to make progress or to achieve an objective
16. engine cooling f_n *n.* a person who admires and supports a person, group, sport, sports team, etc.; a device for creating a current of air by the movement of a surface or surfaces
17. die su_____ly *adv.* quickly and unexpectedly
18. a b__b of jelly *n.* a small amount or drop of a thick liquid or sticky substance
19. le__e breach *n.* an artificial embankment or wall built to prevent a river or low-lying land from flooding
20. burial mo__d *n.* a raised area of ground or dirt, often used for burial, construction, or as a fortification; a large, rounded pile or heap

ANSWERS: 12. computation, 13. decide, 14. snorkel, 15. barrier, 16. fan, 17. suddenly, 18. blob, 19. levee, 20. mound

21. plant a co___y *n.* a country or an area that is governed by a more powerful country that is often far away
22. northern con_____ion *n.* a group of stars that form a recognizable pattern and have a name; a group of related or similar ideas, things, or people
23. the int_____on between man and his environment *n.* the act of connecting with someone, mainly when working, playing, or spending time with them
24. the st_____re of a machine *n.* the way of construction of something and the arrangement of its parts, or a complex thing constructed of many parts
25. di_____y merchandise *v.* to exhibit or show something to others, often to attract attention or demonstrate its features, properties, or value
26. in___t antenna *n.* any small creature that has six legs and a body divided into three sections
27. se_____ly, it is important *adv.* used to introduce the second point or item in a list or series of statements, considerations, etc.
28. the stock market co_____sed *v.* to fall down or give way suddenly, often after breaking apart
29. environmental det_____nt *n.* a factor, circumstance, or condition that contributes to the shaping, influencing, or determining of a particular outcome or result
30. a white st___e *n.* a long, narrow band of a different color or texture than the surface on which it appears

ANSWERS: 21. colony, 22. constellation, 23. interaction, 24. structure, 25. display, 26. insect, 27. secondly, 28. collapse, 29. determinant, 30. stripe

31. st_____ng migration *n.* a bird with dark and iridescent feathers, often found in large flocks
32. non-fi_____n bestseller *n.* the type of book or story, especially novels, that describes imaginary events and people; anything made up or imagined that is not true
33. se_____ly connected *adv.* used to introduce the second point or item in a list or series of statements, considerations, etc.
34. co__l ornament *n.* a rock-like substance created in the sea by groupings of specific types of small animals, commonly used in jewelry
35. ob___s over her weight *v.* to fill the mind of someone continually so that one can't think of anything else
36. tec_____cal advancement *adj.* based on scientific and industrial progress
37. te_____e inspection *n.* a small, pale social insect that feeds on wood and can cause significant damage to wooden structures and furniture
38. mountain tr__e *n.* a social group made up of members who live together, sharing the same language, culture, religion, etc., especially those who do not live in towns or cities
39. jazz imp_____ion *n.* the act of making something up on the spot or creating or performing something without preparation
40. me_____ze with magic *v.* to captivate or fascinate; to hold the complete attention of

ANSWERS: 31. starling, 32. fiction, 33. secondly, 34. coral, 35. obsess, 36. technological, 37. termite, 38. tribe, 39. improvisation, 40. mesmerize

41. cognitive com_____ty *n.* the state or quality of being complicated or intricate and difficult to understand
42. l__t sagging skin *v.* to raise something to a higher position or level; to pick up something or somebody and move them to a different position
43. source of ins_____on *n.* something that motivates or encourages someone to create or achieve something, or a feeling of excitement or creativity
44. com_____ty theory *n.* the state or quality of being complicated or intricate and difficult to understand
45. ex_____t a great talent *v.* to show something in public for people to enjoy or to provide them with information
46. abs_____ly against *adv.* without restriction or limitation; completely or utterly
47. po_____te fruit trees *v.* to transfer pollen from the male part of a flower to the female part, thereby fertilizing the plant and allowing it to produce fruit or seeds; to spread or disseminate an idea or influence to others
48. ready to co_____se *v.* to fall down or give way suddenly, often after breaking apart
49. mo__d of dirt *n.* a raised area of ground or dirt, often used for burial, construction, or as a fortification; a large, rounded pile or heap

ANSWERS: 41. complexity, 42. lift, 43. inspiration, 44. complexity, 45. exhibit, 46. absolutely, 47. pollinate, 48. collapse, 49. mound

50. a film f_n *n.* a person who admires and supports a person, group, sport, sports team, etc.; a device for creating a current of air by the movement of a surface or surfaces
51. as____le a jigsaw puzzle *v.* to collect in one place as a single group
52. the qu__t for truth *n.* a long or challenging search for something
53. the crosswise di_____on *n.* a measurable extent of a particular kind, such as width, height, or length
54. con_____al art *adj.* related to or founded on ideas, principles
55. rem_____le achievement *adj.* worthy of attention because unusual or special
56. become increasingly com_____ed *adj.* involving a lot of different things or parts in a way that is difficult to understand or analyze
57. st___e texture *n.* a long, narrow band of a different color or texture than the surface on which it appears
58. 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
59. mat_____cs competition *n.* the science dealing with the logic of quantities, shapes, spaces, and arrangement

ANSWERS: 50. fan, 51. assemble, 52. quest, 53. dimension, 54. conceptual, 55. remarkable, 56. complicated, 57. stripe, 58. AI, 59. mathematics

60. ro___t growth *adj.* sturdy and healthy in form, constitution, or construction; strong enough to withstand or overcome intellectual challenges or adversity
61. in___t biology *n.* any small creature that has six legs and a body divided into three sections
62. field of artificial int_____nce *n.* the ability to learn, comprehend, or make judgments or conclusions based on reasons
63. st_____ht for two months *adj.* extending or moving in one direction without bending or curving; having no deviations
64. com_____te his anxieties to the psychiatrist *v.* to share or exchange information with others by speaking, writing, moving your body, or using other signals
65. loss of muscle ti___e *n.* an ensemble of similar cells of the animal or plant that together carry out a specific function
66. su_____ly attacked by an enemy *adv.* quickly and unexpectedly
67. a det_____nt of crop yields *n.* a factor, circumstance, or condition that contributes to the shaping, influencing, or determining of a particular outcome or result
68. mo_____r the data carefully *v.* to observe, check, and track the progress or quality of something over a period of time
69. a private ind_____al *n.* a single person or thing, as distinct from a group
70. coral r__fs *n.* a long chain or range of rocks or sand near the ocean's surface

ANSWERS: 60. robust, 61. insect, 62. intelligence, 63. straight, 64. communicate, 65. tissue, 66. suddenly, 67. determinant, 68. monitor, 69. individual, 70. reef

71. a spo_____us behavior *adj.* happening or being done naturally, often unexpected way, without being made to happen
72. com_____te well with my advisor *v.* to share or exchange information with others by speaking, writing, moving your body, or using other signals
73. st_____re and function of the brain *n.* the way of construction of something and the arrangement of its parts, or a complex thing constructed of many parts
74. evolutionary bi_____y *n.* the scientific study of life and the natural processes of living things
75. ex_____t a bad attitude *v.* to show something in public for people to enjoy or to provide them with information
76. self-suf_____nt economy *adj.* adequate; enough for a particular purpose or requirement
77. co_____e chemically with another substance *v.* to join or merge to form a single thing or group
78. abs_____ly obsessed with the girl *adv.* without restriction or limitation; completely or utterly
79. a meteorological sa_____te *n.* an electronic device that is sent up into space and moves around the Earth or another planet, used for gathering information or communicating by radio, television, etc.
80. su_____se team activity *v.* to watch over and direct someone or something, especially in a position of responsibility

ANSWERS: 71. spontaneous, 72. communicate, 73. structure, 74. biology, 75. exhibit, 76. sufficient, 77. combine, 78. absolutely, 79. satellite, 80. supervise

81. wi_____ss access *adj.* of or relating a connection or communication that does not require a physical wire or cable, often through the use of radio waves or electromagnetic signals
82. gr_____te degree program *n.* a person who has a first degree from university or college; (verb) to complete the first course of university or college and get a degree
83. social di_____ce *n.* the amount of space between two points, measured in units such as miles, meters, or kilometers; the extent, scope, or range between two things, such as distance or emotional distance
84. wi_____ss charging *adj.* of or relating a connection or communication that does not require a physical wire or cable, often through the use of radio waves or electromagnetic signals
85. a GPS sa_____te *n.* an electronic device that is sent up into space and moves around the Earth or another planet, used for gathering information or communicating by radio, television, etc.
86. overseas mi_____on *n.* the movement of animals to a new location, frequently as the seasons change
87. a civil en_____er *n.* a person whose job is designing, building, or maintaining something such as machines, structures, or software

ANSWERS: 81. wireless, 82. graduate, 83. distance, 84. wireless, 85. satellite, 86. migration, 87. engineer

88. en____ly satisfied with the meal *adv.* completely
89. driving di____ce *n.* the amount of space between two points, measured in units such as miles, meters, or kilometers; the extent, scope, or range between two things, such as distance or emotional distance
90. po_____te plants *v.* to transfer pollen from the male part of a flower to the female part, thereby fertilizing the plant and allowing it to produce fruit or seeds; to spread or disseminate an idea or influence to others
91. a st_____ht line *adj.* extending or moving in one direction without bending or curving; having no deviations
92. optical il____on *n.* a false idea or belief, especially about somebody or about a situation
93. chemical pr____ty *n.* a thing or things that belong to someone
94. man_____ion of a deeper problem *n.* a visible or tangible form of something, especially a particular sign of a disease or condition
95. m_d wall *n.* a soft, wet, sticky earth or clay
96. de____on authority *n.* the act or process of making up someone's mind about something; a choice or judgment reached after considering options
97. fl__k of sheep *n.* a gathering of sheep, goats, or birds

ANSWERS: 88. entirely, 89. distance, 90. pollinate, 91. straight, 92. illusion, 93. property, 94. manifestation, 95. mud, 96. decision, 97. flock

98. exp_____tal design *adj.* relating to or based on new ideas, forms, methods, etc. that have not been tried before, usually to find out what effect they have
99. bird's n__t *n.* a structure in which animals lay their eggs or give birth to their young
100. le__e protection *n.* an artificial embankment or wall built to prevent a river or low-lying land from flooding
101. m_d volcano *n.* a soft, wet, sticky earth or clay
102. seals sleep und_____er *adv.* below or under the surface of the water
103. te_____e damage *n.* a small, pale social insect that feeds on wood and can cause significant damage to wooden structures and furniture
104. remain sta_____ry *adj.* not moving or not capable of being changed
105. ter_____ng events *adj.* very frightening or intimidating
106. an int_____nce test *n.* the ability to learn, comprehend, or make judgments or conclusions based on reasons
107. the evo_____ary process *adj.* relating to or denoting how living things develop or change from earlier forms
108. the rem_____le breadth of knowledge *adj.* worthy of attention because unusual or special
109. im_____e a process *v.* to make or become better
110. brilliant fl__h *n.* a sudden intense burst of radiant energy; a momentary brightness

ANSWERS: 98. experimental, 99. nest, 100. levee, 101. mud, 102. underwater, 103. termite, 104. stationary, 105. terrifying, 106. intelligence, 107. evolutionary, 108. remarkable, 109. improve, 110. flash

111. a fl__d of questions *n.* a large amount of water flowing beyond its normal limits; an overwhelming number or amount
112. a big b__b of yellow *n.* a small amount or drop of a thick liquid or sticky substance
113. a_t bite *n.* a very small insect that lives under the ground or in a mound in highly organized groups
114. aboriginal tr__e *n.* a social group made up of members who live together, sharing the same language, culture, religion, etc., especially those who do not live in towns or cities
115. end of the first qu____r *n.* one of four equal parts; a fourth part or portion
116. a facial ti____e *n.* an ensemble of similar cells of the animal or plant that together carry out a specific function
117. si____te climate change *v.* to make a pretense of someone's behavior or looks; to reproduce something that exists in real life using computers, models, etc., usually for study or training purposes
118. fl__d advisory *n.* a large amount of water flowing beyond its normal limits; an overwhelming number or amount
119. tr____se the region *v.* to cross or move through a land or water area
120. su____se entrance test takers *v.* to watch over and direct someone or something, especially in a position of responsibility

ANSWERS: 111. flood, 112. blob, 113. ant, 114. tribe, 115. quarter, 116. tissue, 117. simulate, 118. flood, 119. traverse, 120. supervise

121. sw___e from the topic *v.* to change direction suddenly, often to avoid something or to turn sharply
122. mo____r an exam *v.* to observe, check, and track the progress or quality of something over a period of time
123. my___c vision *adj.* near-sighted; lacking foresight or ability to plan; narrow-minded or lacking in perspective
124. ter_____ng experience *adj.* very frightening or intimidating
125. ad_____on of vectors *n.* the act or process of adding something to something else; the process of adding numbers
126. de___e a question *v.* to make up someone's mind about something; to come to a conclusion or judgment after considering options
127. man_____ion of psychological stress *n.* a visible or tangible form of something, especially a particular sign of a disease or condition
128. c__p field *n.* a plant that is cultivated in large amounts, particularly for food
129. em_____ng country *adj.* starting to exist, mature, or become well-known
130. exp_____tal data *adj.* relating to or based on new ideas, forms, methods, etc. that have not been tried before, usually to find out what effect they have
131. 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

ANSWERS: 121. swerve, 122. monitor, 123. myopic, 124. terrifying, 125. addition, 126. decide, 127. manifestation, 128. crop, 129. emerging, 130. experimental, 131. AI

132. hold my breath und_____er *adv.* below or under the surface of the water
133. as_____le your colleagues *v.* to collect in one place as a single group
134. the glow of a fi_____y *n.* a flying nocturnal insect common in warm regions with a tail that shines in the dark
135. a n__t of thieves *n.* a structure in which animals lay their eggs or give birth to their young
136. me_____ze a subject *v.* to captivate or fascinate; to hold the complete attention of
137. break off an eng_____nt *n.* a mutual promise to marry someone; an agreement to do something, especially at a particular time
138. medical l_b *n.* a workplace for the conduct of scientific research; a laboratory
139. a bell to__r *n.* a structure that is exceptionally high in proportion to its width and either forms part of a building or stands alone
140. a man of pr_____ty *n.* a thing or things that belong to someone
141. tr_____se a vast extent of sea *v.* to cross or move through a land or water area
142. the to__r on a cliff *n.* a structure that is exceptionally high in proportion to its width and either forms part of a building or stands alone
143. st_____ng bird *n.* a bird with dark and iridescent feathers, often found in large flocks
144. ind_____al freedom *n.* a single person or thing, as distinct from a group

ANSWERS: 132. underwater, 133. assemble, 134. firefly, 135. nest, 136. mesmerize, 137. engagement, 138. lab, 139. tower, 140. property, 141. traverse, 142. tower, 143. starling, 144. individual

145. common in_____on *n.* the creation of a new device or process resulting from study and experimentation; the act of inventing
146. co_____e augmented reality *v.* to join or merge to form a single thing or group
147. sta_____ry bike *adj.* not moving or not capable of being changed
148. co__l island *n.* a rock-like substance created in the sea by groupings of specific types of small animals, commonly used in jewelry
149. ab_____ct science *adj.* based on general ideas, feelings, or qualities and not on any a physical or concrete existence
150. inc_____le amount *adj.* unbelievable; enormous
151. at inc_____le speed *adj.* unbelievable; enormous
152. sparkle like fi_____y *n.* a flying nocturnal insect common in warm regions with a tail that shines in the dark
153. ro_____c guide operation *adj.* of or relating to mechanical robots; (robotics) the interdisciplinary branch of computer science and engineering with the practical use of robots
154. pr_____y school *adj.* first or highest in rank, order, or importance; most fundamental or essential; pertaining to the initial or introductory stage of something, such as a school year or election cycle
155. he is ob____sed with the fear *v.* to fill the mind of someone continually so that one can't think of anything else

ANSWERS: 145. invention, 146. combine, 147. stationary, 148. coral, 149. abstract, 150. incredible, 151. incredible, 152. firefly, 153. robotic, 154. primary, 155. obsess

156. a com_____ed process *adj.* involving a lot of different things or parts in a way that is difficult to understand or analyze
157. barrier r__f *n.* a long chain or range of rocks or sand near the ocean's surface
158. legal en___y *n.* something that exists independently and has its own identity
159. a white a_t *n.* a very small insect that lives under the ground or in a mound in highly organized groups
160. a good grounding in mat_____cs *n.* the science dealing with the logic of quantities, shapes, spaces, and arrangement
161. em_____ng technologies *adj.* starting to exist, mature, or become well-known
162. e__t a video *v.* to prepare written material for publication by correcting, condensing, or otherwise modifying it
163. the degree of pu___y *n.* the state of being undiluted or unmixed with anything else; the state of being free from immorality, especially of a sexual nature
164. a selfish de_____on *n.* the act or process of making up someone's mind about something; a choice or judgment reached after considering options
165. pr_____y education *adj.* first or highest in rank, order, or importance; most fundamental or essential; pertaining to the initial or introductory stage of something, such as a school year or election cycle

ANSWERS: 156. complicated, 157. reef, 158. entity, 159. ant, 160. mathematics, 161. emerging, 162. edit, 163. purity, 164. decision, 165. primary

166. a ro___t appetite *adj.* sturdy and healthy in form, constitution, or construction; strong enough to withstand or overcome intellectual challenges or adversity
167. a sandy sh___e *n.* the land along the edge of a sea, lake, broad river, or other large body of water; (verb) to support by placing against something solid or rigid
168. the in_____on of new techniques *n.* the creation of a new device or process resulting from study and experimentation; the act of inventing
169. int_____on among human beings *n.* the act of connecting with someone, mainly when working, playing, or spending time with them
170. as_____ly hall *n.* a group of people who have been elected, especially one that meets regularly and makes decisions or laws for a specific region or country
171. honor gr_____te *n.* a person who has a first degree from university or college; (verb) to complete the first course of university or college and get a degree
172. l_b instrument *n.* a workplace for the conduct of scientific research; a laboratory
173. parallel com_____on *n.* the act or process of calculating something, especially an answer or amount, by using a machine or calculator
174. an ab_____ct noun *adj.* based on general ideas, feelings, or qualities and not on any a physical or concrete existence

ANSWERS: 166. robust, 167. shore, 168. invention, 169. interaction, 170. assembly, 171. graduate, 172. lab, 173. computation, 174. abstract

175. new con_____al framework *adj.* related to or founded on ideas, principles
176. he was en_____ly to blame *adv.* completely
177. I__t a ban on alcohol *v.* to raise something to a higher position or level; to pick up something or somebody and move them to a different position
178. imp_____ion on stage *n.* the act of making something up on the spot or creating or performing something without preparation
179. the stars of the Scorpion
con_____ion *n.* a group of stars that form a recognizable pattern and have a name; a group of related or similar ideas, things, or people
180. a prior eng_____nt *n.* a mutual promise to marry someone; an agreement to do something, especially at a particular time
181. suf_____nt time *adj.* adequate; enough for a particular purpose or requirement
182. the mi_____on of birds *n.* the movement of animals to a new location, frequently as the seasons change
183. a co___y of bacteria *n.* a country or an area that is governed by a more powerful country that is often far away
184. scuba sn_____l *n.* a tube-like device used for breathing underwater, with one end in the mouth and the other above the surface of the water

ANSWERS: 175. conceptual, 176. entirely, 177. lift, 178. improvisation, 179. constellation, 180. engagement, 181. sufficient, 182. migration, 183. colony, 184. snorkel

185. si____te a future scenario *v.* to make a pretense of someone's behavior or looks; to reproduce something that exists in real life using computers, models, etc., usually for study or training purposes
186. sw____e off the road *v.* to change direction suddenly, often to avoid something or to turn sharply
187. government en____y *n.* something that exists independently and has its own identity
188. telescopic vi____n *n.* the ability to think about or see the future with imagination and intelligence; the faculty of being able to see
189. get ins____on from nature *n.* something that motivates or encourages someone to create or achieve something, or a feeling of excitement or creativity
190. tec____cal policy *adj.* based on scientific and industrial progress
191. ecology and evo____ary biology *adj.* relating to or denoting how living things develop or change from earlier forms
192. a prodigious vi____n *n.* the ability to think about or see the future with imagination and intelligence; the faculty of being able to see
193. chemical ad____on *n.* the act or process of adding something to something else; the process of adding numbers
194. high pu____y *n.* the state of being undiluted or unmixed with anything else; the state of being free from immorality, especially of a sexual nature

ANSWERS: 185. simulate, 186. swerve, 187. entity, 188. vision, 189. inspiration, 190. technological, 191. evolutionary, 192. vision, 193. addition, 194. purity

195. information ba____r *n.* a fence or other obstruction that makes it hard to move or get in; any condition that makes it difficult to make progress or to achieve an objective
196. syn_____ze movements *v.* to happen or cause to happen at the same time or rate
197. a qu____r mile *n.* one of four equal parts; a fourth part or portion
198. a fl__h of lightning *n.* a sudden intense burst of radiant energy; a momentary brightness
199. di____y artwork *v.* to exhibit or show something to others, often to attract attention or demonstrate its features, properties, or value
200. my___c thinking *adj.* near-sighted; lacking foresight or ability to plan; narrow-minded or lacking in perspective
201. stuff of science fi____n *n.* the type of book or story, especially novels, that describes imaginary events and people; anything made up or imagined that is not true
202. ro____c arm *adj.* of or relating to mechanical robots; (robotics) the interdisciplinary branch of computer science and engineering with the practical use of robots
203. syn_____ze our watches *v.* to happen or cause to happen at the same time or rate
204. sh__e up demand *n.* the land along the edge of a sea, lake, broad river, or other large body of water; (verb) to support by placing against something solid or rigid

ANSWERS: 195. barrier, 196. synchronize, 197. quarter, 198. flash, 199. display, 200. myopic, 201. fiction, 202. robotic, 203. synchronize, 204. shore

205. spo_____us labor

adj. happening or being done naturally, often unexpected way, without being made to happen

206. cell and molecular bi_____y

n. the scientific study of life and the natural processes of living things

ANSWERS: 205. spontaneous, 206. biology

Session 3: Fill in the Blanks

1. The researcher demonstrated the superiority of quantum _____ in several mathematical tasks.
 - n.* the act or process of calculating something, especially an answer or amount, by using a machine or calculator

2. I am _____ opposed to his idea because of morality.
 - adv.* without restriction or limitation; completely or utterly

3. The drought _____ the prices of grain globally.
 - v.* to raise something to a higher position or level; to pick up something or somebody and move them to a different position

4. He's utterly _____ with his promotion.
 - v.* to fill the mind of someone continually so that one can't think of anything else

5. 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

6. Other technology industries _____ similarly explosive growth.
 - v.* to show something in public for people to enjoy or to provide them with information

7. Driving is difficult for me because of my poor _____.
 - n.* the ability to think about or see the future with imagination and intelligence; the faculty of being able to see

ANSWERS: 1. computation, 2. absolutely, 3. lifted, 4. obsessed, 5. intelligence, 6. exhibit, 7. vision

8. The surgeon removed the tumor using _____ video assistance.
adj. of or relating to mechanical robots; (robotics) the interdisciplinary branch of computer science and engineering with the practical use of robots
9. The magician's performance _____ the audience.
v. to captivate or fascinate; to hold the complete attention of
10. The invention of the camera triggered the development of _____ painting.
adj. based on general ideas, feelings, or qualities and not on any a physical or concrete existence
11. He stood to inherit a million-dollar _____.
n. a thing or things that belong to someone
12. The Prime Minister will pay a courtesy visit to the Nobel laureate's _____.
n. a workplace for the conduct of scientific research; a laboratory
13. The vessel ran aground on a _____.
n. a long chain or range of rocks or sand near the ocean's surface
14. We _____ along with the singer's song.
v. to hit your hands together and make a short and loud noise, mainly to show your approval or praise
15. That candidate does not have _____ means to win an election with certainty.
adj. adequate; enough for a particular purpose or requirement
16. _____ advances have disrupted many industries.
adj. based on scientific and industrial progress

ANSWERS: 8. robotic, 9. mesmerized, 10. abstract, 11. property, 12. lab, 13. reef, 14. clapped, 15. sufficient, 16. Technological

17. The experiment yielded _____ results that support his theory.

adj. sturdy and healthy in form, constitution, or construction; strong enough to withstand or overcome intellectual challenges or adversity

18. Approximately 1000 automobiles _____ the bridge every day.

v. to cross or move through a land or water area

19. She was asked to _____ the construction project.

v. to watch over and direct someone or something, especially in a position of responsibility

20. In that country, there is a culture of eating live _____ squid.

n. a flying nocturnal insect common in warm regions with a tail that shines in the dark

21. Large earthquakes often generate _____ tsunamis.

adj. very frightening or intimidating

22. A company is a distinct legal _____.

n. something that exists independently and has its own identity

23. The _____ cause of the accident was due to the icy road conditions.

adj. first or highest in rank, order, or importance; most fundamental or essential; pertaining to the initial or introductory stage of something, such as a school year or election cycle

24. They selected a gorgeous diamond _____ ring.

n. a mutual promise to marry someone; an agreement to do something, especially at a particular time

ANSWERS: 17. robust, 18. traverse, 19. supervise, 20. firefly, 21. terrifying, 22. entity, 23. primary, 24. engagement

25. The organizational _____ of start-ups is often flat and straightforward.
- n.* the way of construction of something and the arrangement of its parts, or a complex thing constructed of many parts
26. The team discovered a hidden _____ in the desert.
- n.* a raised area of ground or dirt, often used for burial, construction, or as a fortification; a large, rounded pile or heap
27. She is a _____ of strength for our team in trouble.
- n.* a structure that is exceptionally high in proportion to its width and either forms part of a building or stands alone
28. The waves are beating against the _____.
- n.* the land along the edge of a sea, lake, broad river, or other large body of water; (verb) to support by placing against something solid or rigid
29. 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
30. Necessity is the mother of _____.
- n.* the creation of a new device or process resulting from study and experimentation; the act of inventing
31. He has a flair for _____.
- n.* the science dealing with the logic of quantities, shapes, spaces, and arrangement
32. In _____ private corporations provide healthcare services.
- n.* the act or process of adding something to something else; the process of adding numbers

ANSWERS: 25. structure, 26. mound, 27. tower, 28. shore, 29. complexity, 30. invention, 31. mathematics, 32. addition,

33. 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
34. He has absolutely no _____ comprehension of maths.
- adj.* related to or founded on ideas, principles
35. The _____ declared its independence and became a republic.
- n.* a country or an area that is governed by a more powerful country that is often far away
36. I need to _____ this document before submitting it to my boss.
- v.* to prepare written material for publication by correcting, condensing, or otherwise modifying it
37. The _____ of the two groups is good for brainstorming.
- n.* the act of connecting with someone, mainly when working, playing, or spending time with them
38. She was struggling to make a _____ between two job offers.
- n.* the act or process of making up someone's mind about something; a choice or judgment reached after considering options
39. Without bees to _____ the flowers, many crops would not exist.
- v.* to transfer pollen from the male part of a flower to the female part, thereby fertilizing the plant and allowing it to produce fruit or seeds; to spread or disseminate an idea or influence to others

ANSWERS: 33. AI, 34. conceptual, 35. colony, 36. edit, 37. interaction, 38. decision, 39. pollinate

40. That adventurer traveled in _____ of buried treasure.
n. a long or challenging search for something
41. The unemployment rate in the first _____ was 2.3 percentage points higher than in the previous.
n. one of four equal parts; a fourth part or portion
42. The _____ flock created a mesmerizing display in the sky.
n. a bird with dark and iridescent feathers, often found in large flocks
43. He had painted the wood to _____ stone.
v. to make a pretense of someone's behavior or looks; to reproduce something that exists in real life using computers, models, etc., usually for study or training purposes
44. One _____ of success is having a positive attitude and a strong work ethic.
n. a factor, circumstance, or condition that contributes to the shaping, influencing, or determining of a particular outcome or result
45. The marathon runner covered a long _____ in a short amount of time.
n. the amount of space between two points, measured in units such as miles, meters, or kilometers; the extent, scope, or range between two things, such as distance or emotional distance
46. Higher _____ requires additional equipment and energy.
n. the state of being undiluted or unmixed with anything else; the state of being free from immorality, especially of a sexual nature
47. His _____ view of the situation prevented him from seeing the bigger picture.
adj. near-sighted; lacking foresight or ability to plan; narrow-minded or lacking in perspective

ANSWERS: 40. quest, 41. quarter, 42. starling, 43. simulate, 44. determinant, 45. distance, 46. purity, 47. myopic

48. He created a beautiful piece of music using only _____.
- n.* the act of making something up on the spot or creating or performing something without preparation
49. The _____ rental shop provided us with a map of the nearby snorkel sites.
- n.* a tube-like device used for breathing underwater, with one end in the mouth and the other above the surface of the water
50. The president began to _____ an army.
- v.* to collect in one place as a single group
51. _____ technologies have dramatically improved productivity in various industries.
- adj.* starting to exist, mature, or become well-known
52. This company's _____ plant is an enormous facility.
- n.* a group of people who have been elected, especially one that meets regularly and makes decisions or laws for a specific region or country
53. Truth is stranger than _____.
- n.* the type of book or story, especially novels, that describes imaginary events and people; anything made up or imagined that is not true
54. The house was infested with _____ and required extensive repairs.
- n.* a small, pale social insect that feeds on wood and can cause significant damage to wooden structures and furniture
55. The researcher separated the nervous _____ for microscopic examinations.
- n.* an ensemble of similar cells of the animal or plant that together carry out a specific function

ANSWERS: 48. improvisation, 49. snorkel, 50. assemble, 51. Emerging, 52. assembly, 53. fiction, 54. termites, 55. tissue

56. The driver had to _____ to avoid hitting the deer in the middle of the road.

v. to change direction suddenly, often to avoid something or to turn sharply

57. Later, his claim was found to be _____ false.

adv. completely

58. Overall _____ are approximately 400x200mm.

n. a measurable extent of a particular kind, such as width, height, or length

59. Launching an artificial _____ contributed to the technological development of our country.

n. an electronic device that is sent up into space and moves around the Earth or another planet, used for gathering information or communicating by radio, television, etc.

60. Hydrogen and oxygen _____ to form water.

v. to join or merge to form a single thing or group

61. The plates have a blue _____ around the edge.

n. a long, narrow band of a different color or texture than the surface on which it appears

62. Her response revealed _____ idiocy.

adj. unbelievable; enormous

63. The office's _____ network allows employees to work from anywhere in the building.

adj. of or relating a connection or communication that does not require a physical wire or cable, often through the use of radio waves or electromagnetic signals

ANSWERS: 56. swerve, 57. entirely, 58. dimensions, 59. satellite, 60. combine, 61. stripe, 62. incredible, 63. wireless

64. Many employers hire _____ trainees to train as managers.

n. a person who has a first degree from university or college; (verb) to complete the first course of university or college and get a degree

65. The election was a _____ success for the Whigs.

adj. worthy of attention because unusual or special

66. He found _____ in the works of his favorite authors.

n. something that motivates or encourages someone to create or achieve something, or a feeling of excitement or creativity

67. The female birds build a _____ and lay their eggs in May.

n. a structure in which animals lay their eggs or give birth to their young

68. In junior high school, we had to dissect a frog in _____ class.

n. the scientific study of life and the natural processes of living things

69. The police placed a _____ across the street to halt traffic.

n. a fence or other obstruction that makes it hard to move or get in; any condition that makes it difficult to make progress or to achieve an objective

70. He did _____ pen-and-ink drawings in just a few days.

adj. involving a lot of different things or parts in a way that is difficult to understand or analyze

71. When a _____ of birds flies in, the hunt begins.

n. a gathering of sheep, goats, or birds

72. He was sick for five _____ days.

adj. extending or moving in one direction without bending or curving; having no deviations

ANSWERS: 64. graduate, 65. remarkable, 66. inspiration, 67. nest, 68. biology, 69. barrier, 70. complicated, 71. flock, 72. straight

73. _____ vehicles in traffic jams produce a tremendous amount of pollution.
adj. not moving or not capable of being changed
74. Firstly, we will discuss the budget; _____ we will go over the schedule.
adv. used to introduce the second point or item in a list or series of statements, considerations, etc.
75. The _____ of his anxiety was evident in his shaking hands.
n. a visible or tangible form of something, especially a particular sign of a disease or condition
76. The ball speed will increase when the lower body movements are perfectly _____.
v. to happen or cause to happen at the same time or rate
77. Dolphins use sound to _____ with each other.
v. to share or exchange information with others by speaking, writing, moving your body, or using other signals
78. 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
79. A _____ of ink fell on the floor.
n. a small amount or drop of a thick liquid or sticky substance
80. Who answers _____ knows little.
adv. quickly and unexpectedly

ANSWERS: 73. Stationary, 74. secondly, 75. manifestation, 76. synchronized, 77. communicate, 78. decide, 79. blob, 80. suddenly

81. The concrete _____ protects from the rising river during floods.
n. an artificial embankment or wall built to prevent a river or low-lying land from flooding
82. She is wearing a _____ necklace.
n. a rock-like substance created in the sea by groupings of specific types of small animals, commonly used in jewelry
83. We need to _____ our products in an attractive way to attract customers.
v. to exhibit or show something to others, often to attract attention or demonstrate its features, properties, or value
84. He could no longer tell the difference between _____ and reality.
n. a false idea or belief, especially about somebody or about a situation
85. We can find many large ____ mounds in this area.
n. a very small insect that lives under the ground or in a mound in highly organized groups
86. These heavy rains caused _____ floods on several islands.
n. a sudden intense burst of radiant energy; a momentary brightness
87. The roof finally _____ after three days and three nights of heavy snowfall.
v. to fall down or give way suddenly, often after breaking apart
88. The _____ will repair my telephone tomorrow morning.
n. a person whose job is designing, building, or maintaining something such as machines, structures, or software

ANSWERS: 81. levee, 82. coral, 83. display, 84. illusion, 85. ant, 86. flash, 87. collapsed, 88. engineer

89. Navigators still use the Little Bear _____ at sea.

n. a group of stars that form a recognizable pattern and have a name; a group of related or similar ideas, things, or people

90. These _____ are more prevalent above a certain latitude.

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

91. The product is still in the _____ stage.

adj. relating to or based on new ideas, forms, methods, etc. that have not been tried before, usually to find out what effect they have

92. We want to _____ ties between our two countries.

v. to make or become better

93. He is good at swimming _____.

adv. below or under the surface of the water

94. The crowd broke out into _____ laughter.

adj. happening or being done naturally, often unexpected way, without being made to happen

95. The _____ had distinctly defined gender roles.

n. a social group made up of members who live together, sharing the same language, culture, religion, etc., especially those who do not live in towns or cities

96. The ___ of the swamp made it difficult to walk through the field.

n. a soft, wet, sticky earth or clay

ANSWERS: 89. constellation, 90. insects, 91. experimental, 92. improve, 93. underwater, 94. spontaneous, 95. tribe, 96. mud

97. These heavy rains caused flash _____ on several islands.

n. a large amount of water flowing beyond its normal limits; an overwhelming number or amount

98. _____ algorithms can find ways to optimize that humans do not anticipate.

adj. relating to or denoting how living things develop or change from earlier forms

99. As an _____ he had the right to make his own decisions and live his life as he saw fit.

n. a single person or thing, as distinct from a group

100. They used a special receiver to _____ police radio channels.

v. to observe, check, and track the progress or quality of something over a period of time

101. I'm a big ____ of French food.

n. a person who admires and supports a person, group, sport, sports team, etc.; a device for creating a current of air by the movement of a surface or surfaces

102. Sow early for an early _____.

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

103. There was a _____ of impoverished farmers into the towns.

n. the movement of animals to a new location, frequently as the seasons change

ANSWERS: 97. floods, 98. Evolutionary, 99. individual, 100. monitor, 101. fan, 102. crop, 103. migration