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Vocabulary Builder Reference from...

Randall Munroe: Comics that ask "what if?" | TED Talk

https://www.ted.com/talks/randall_munroe_comics_th
[at_ask_what_if](#)

All Words

IMPORTANT

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Session 1: Word List

- feat** *n.* a notable or impressive achievement, especially one that requires great skill or bravery
synonym : achievement, accomplishment, exploit
(1) intellectual **feat**, (2) **feat** accomplishment
It is an incredible **feat** to climb Mount Everest, the highest mountain in the world.
- submit** *v.* to give or offer a document, proposal, etc. to a decision-maker for examination or consideration
synonym : hand in, present, propose
(1) agree to **submit** the bill, (2) **submit** an application
Please **submit** the assignment to me.
- hypothesis** *n.* a proposed idea or explanation that is based on a few known facts but has not yet been proven to be true or accurate
synonym : assumption, conjecture, theory
(1) test my **hypothesis**, (2) a bold **hypothesis**
This evidence supports the big-bang **hypothesis**.
- 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**.

pitch

n. the property of sound that varies with variation in the frequency of vibration; the degree of a slope, especially of a roof; short presentation for selling or sharing something

synonym: angle, gradient, slope

(1) make a **pitch** for a new product, (2) a low- **pitched** sound

Her voice gradually increased in **pitch**.

calculation

n. the act or process of using numbers to judge an amount of something

synonym: analysis, computation, estimate

(1) make a **calculation**, (2) **calculation** of loss and gain

The error in the **calculation** was attributable to rounding.

normally

adv. usually; under normal conditions

synonym: commonly, generally, naturally

(1) complete **normally**, (2) not **normally** drink much

I don't **normally** take a vacation in the middle of summer.

molecule

n. a group of two or more atoms held together by attractive forces known as chemical bonds

synonym: particle, element, atom

(1) small **molecules**, (2) **molecule** behavior

The shape of the DNA **molecule** is a double helix.

smashing

adj. very successful or impressive; causing something to be broken or destroyed

synonym: great, wonderful, breaking

(1) a **smashing** blow, (2) give **smashing** results

The band's new album was a **smashing** success, reaching the top of the charts.

collision

n. an instance of two or more objects or entities crashing into each other, usually resulting in damage, impact, or conflict

synonym : crash, impact, smash

(1) **collision** detection, (2) come into **collision** with my friend

The **collision** of tectonic plates can result in new mountain ranges, such as the Himalayas or the Alps.

nitrogen

n. a chemical element with the symbol N and atomic number 7, which is a highly reactive element that forms part of many compounds, including amino acids and proteins

(1) heavy **nitrogen**, (2) **nitrogen** absorption

Nitrogen gas is used to inflate car tires because it does not react with rubber.

carbon

n. a chemical element that can be found in pure form as diamond or graphite, and it is also an essential part of coal and oil and is found in all plants and animals

(1) **carbon** dioxide, (2) **carbon** emission

Trees absorb **carbon** dioxide and give off oxygen.

hydrogen

n. the chemical element that is the lightest gas is colorless, odorless, tasteless, and combines with oxygen to form water

(1) **hydrogen** gas, (2) heavy **hydrogen**

The **hydrogen** and the oxygen react and then form water.

fragment

n. a small piece or part broken off or detached

synonym : piece, shard, segment

(1) **fragment** of a text, (2) a broken **fragment**

The archaeologist carefully pieced together the tiny **fragments** of pottery found at the dig site.

particle

n. a small piece of something; a word or piece of a term with grammatical function but little or no significance

synonym : atom, grain, bit

(1) charged **particle**, (2) **particle** energy

We can calculate the position of the **particles** statistically.

trigger

v. to make something happen suddenly; to cause something such as a device, machine, etc. to function

synonym : activate, spark, drive

(1) **trigger** a biochemical response, (2) **trigger** inflation

The incident **triggered** a political controversy.

nuclear

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

synonym : atomic

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

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

fusion

n. the process of combining two or more things to form a single entity

synonym : merger, consolidation, amalgamation

(1) heat **fusion**, (2) **fusion** cuisine

Nuclear **fusion** is a process in which atomic nuclei combine to form heavier nuclei.

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.

X-ray

n. a type of electromagnetic radiation that has a wavelength shorter than visible light allowing hidden objects such as bones and organs inside the body to be photographed

synonym : roentgenogram, photon radiography

(1) **X-ray** scan, (2) an **X-ray** of arteries

The doctor ordered an **X-ray** to see if there was any damage to the bones.

bubble

n. a thin, round, and often transparent mass of gas that is surrounded by a thin layer of liquid; a state of economic or social prosperity that is unsustainable and eventually collapses

synonym : blob, balloon, mania

(1) **bubble** in the champagne glass, (2) economic **bubble**

Many people worry that the current real estate market is a **bubble** that could burst soon.

exotic

adj. originating from or characteristic of a foreign country or culture; strikingly unusual, uncommon, or intriguing

synonym : foreign, alien, unfamiliar

(1) **exotic** species, (2) **exotic** vacation

I love trying **exotic** foods from different cultures.

plasma

n. (biology) the yellow-colored liquid component of blood, in which blood cells are suspended; (physics) one of the four fundamental states of matter consisting of positive ions and free electrons

(1) **plasma** membrane, (2) high-temperature **plasma**

Blood **plasma** makes up about half of the volume of blood.

pitcher

n. a container with a spout used for pouring liquids, particularly used for serving drinks such as water or juice; a player in baseball who pitches the ball toward the batter

synonym : jug, carafe, decanter

(1) baseball **pitcher**, (2) water **pitcher**

When we ordered iced tea, the waiter brought us a **pitcher** full of the beverage.

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.

slightly

adv. in a small degree or extent; a little

synonym: barely, narrowly, scarcely

(1) increase **slightly**, (2) **slightly** alkaline soils

He moved his body **slightly** to the left.

nanosecond

n. one thousand millionth or billionth (= 0.000,000,001) of a second

(1) **nanosecond** response, (2) **nanosecond** laser pulse

The processor performs calculations on the **nanosecond** timescale.

batter

v. to hit something or someone repeatedly with much force; (noun, baseball) a ballplayer who is batting

synonym: beat, pound, strike

(1) **batter** the eggs, (2) the **batter's** box

He got so angry that he **battered** the door down.

expand

v. to increase or to make something greater in size, number, or importance

synonym: extend, grow, boost

(1) **expand** a lineup, (2) **expand** agricultural output

They hope to **expand** their business worldwide.

engulf

v. to swallow up; to surround and cover completely

synonym: swallow, submerge, inundate

(1) **engulf** the politician, (2) **engulf** in water

The fire quickly **engulfed** the entire building.

bat

n. a nocturnal animal with wings that flies and feeds at night, similar to a mouse; a piece of wood with a handle used for hitting the ball in sports including baseball, cricket, and table tennis

synonym:

cane, rod, stick

(1) **bat** cave, (2) **bat** an eye

The cave was a habitat for **bats**.

umpire

n. a person, particularly in sports, who arbitrates or referee's a game, match, or competition; an impartial mediator or judge in a dispute or conflict

synonym: arbiter, referee, judge

(1) **umpire** decision, (2) fair **umpire**

The cricket **umpire** signaled a boundary by raising his arms.

disintegrate

v. break or cause to break into small fragments

synonym: shatter, crumble, break down

(1) **disintegrate** in an explosion, (2) **disintegrate** over time

The vase **disintegrated** into pieces when it fell to the ground.

backward

adv. at, to, or toward the direction or place that is behind or rear

synonym: back, rearward, in reverse

(1) walk **backward**, (2) **backward** angle

She falls over **backward** when she sees her mother-in-law.

backstop

n. a barrier or obstacle used to prevent something from proceeding past a certain point; a person or position that serves as protection or support in case of difficulty or failure

synonym: support, reinforcement, backup

(1) **backstop** agreement, (2) financial **backstop**

The new regulations serve as a **backstop** to prevent future environmental disasters.

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.

fade

v. to vanish; to fade away; to lose color; to lose freshness
synonym : languish, wither

(1) **fade** away almost completely, (2) **fade** in importance
My memory will **fade**, but my heart will live on.

blast

n. explosion, or a strong current of air, usually caused by an explosion; a sudden, thunderous noise

synonym : blow, burst, explosion

(1) a **blast** of wind, (2) an icy **blast**

The **blast** shattered the laboratory equipment.

shred

v. to tear or cut something into a small pieces; (noun) a tiny or scarcely detectable amount

synonym : rip up, tear up, cut

(1) **shred** paper into little pieces, (2) **shred** lettuce for a salad

There is not a **shred** of evidence that he is guilty.

stadium

n. a large, usually roofless building with tiers of seats for spectators at sports or other events

synonym : arena, field, park

(1) **stadium** seating, (2) **stadium** capacity

The baseball **stadium** was filled with excited fans eagerly awaiting the start of the game.

eventually

adv. finally, particularly after a long time or a lot of struggle, complications, and so on

synonym : finally, someday, ultimately

(1) **eventually** become obsolete, (2) **eventually** succeed

The corporation **eventually** dominated the entire tobacco business.

mushroom

n. a type of fungus that grows on dead or decaying organic matter and typically has a stalk and an umbrella-shaped cap

synonym : fungus, toadstool

(1) **mushroom** spores, (2) **mushroom** cultivation

The **mushroom** risotto was delicious, but I couldn't identify all the mushrooms in it.

ruin

v. to damage, spoil, or demolish something; (noun) an unrecoverable state of devastation and destruction,
synonym: bankrupt, demolish, destroy

(1) **ruin** the plan, (2) **ruin** the reputation

He knocked over the red wine and **ruined** the tablecloth.

league

n. an association of sports teams who compete against each other; an obsolete unit of distance of variable length, equal to about 3 miles or 4,000 meters

synonym: association, organization, alliance

(1) **league** championship, (2) a baseball **league**

He was recruited to play in the professional **league**.

hazy

adj. not clear due to a lack of recollection, comprehension, or detail; unsure or perplexed about something

synonym: blurred, clouded, foggy

(1) **hazy** dream, (2) **hazy** atmosphere

My memories of the holiday were **hazy**.

eligible

adj. having the required qualities or satisfying the necessary criteria

synonym: qualified, suitable, acceptable

(1) **eligible** candidates, (2) **eligible** for a refund

All those **eligible** will receive a substantial amount of money.

digital

adj. processing or storing information as a succession of 1 and 0 to show that a signal is present or missing; relating to the use of computer technology, especially the internet

synonym: numerical, computerized, cyber

(1) a **digital** watch, (2) **digital** electronic signature

Sensors convert physical phenomena into **digital** signals.

punch

v. to strike someone or something with one's fist; to make a hole in something

synonym: hit, strike, slap

(1) **punch** out numbers, (2) **punch** a ticket

He **punched** the wall in anger.

warehouse

n. a large building for storing goods and merchandise, especially before they are sold, used, or sent out to shops

synonym: storage, repository, depot

(1) a rental **warehouse**, (2) **warehouse** debt

The fire ruined all the food stored in the **warehouse**.

rev

n. a measure of the rate at which an engine or motor rotates, often expressed in revolutions per minute (RPM); (verb) to increase the number of rotations per minute

synonym: revolution, RPM, speed

(1) low- **rev** engine, (2) **rev** up the crowd

He stepped on the gas pedal, and the engine released a loud **rev**.

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.

sizable

adj. large in size or amount

synonym: large, significant, considerable

(1) **sizable** portion, (2) **sizable** audience

He has a **sizable** fortune and is one of the wealthiest people in the city.

swap

v. to give something and receive something in trade

synonym: exchange, switch, trade

(1) **swap** seats, (2) **swap** columns with rows
Don't **swap** horses while crossing a stream.

electrify

v. to make a machine or system work by using electricity;
to make someone extremely enthusiastic about or
interested in something

synonym: wire, amaze, astonish

(1) **electrify** the audience, (2) **electrify** a manufacturing
process

The product developed through years of research continues
to **electrify** the market.

server

n. a computer program or a device from which other
computers get information; a person who serves food in
a restaurant

synonym: computer, waiter, waitperson

(1) a mail **server**, (2) work as a **server** in a restaurant

After the airing of the TV commercial, many people accessed
the website, and the **server** went down.

efficient

adj. performing at the highest level of productivity with the
least wasted effort or resources; capable of achieving
maximum output with minimum wasted effort, time, or
materials

synonym: productive, effective, competent

(1) **efficient** operation, (2) energy- **efficient** appliances

The new washing machine is much more **efficient** than the
old one.

requirement

n. something that is needed or wanted

synonym: prerequisite, provision, condition

(1) meet **requirement**, (2) school **requirement**

What is the entry **requirement** for this course?

rack

n. a framework or support structure used to hold or display
objects; a set of interconnected shelves or
compartments used for storage; a source of torture,

distress, or mental anguish

synonym : shelf, stand, frame

(1) clothing **rack**, (2) spice **rack**

I need to buy a new coat **rack** to organize my winter jackets.

contract

n. a legally binding agreement between two or more parties, setting out their rights and obligations to each other, typically in writing and enforceable by law

synonym : agreement, deal, arrangement

(1) employment **contract**, (2) **contract** law

The company signed a **contract** with the supplier for the delivery of goods.

government

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

synonym : administration, regime, state

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

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

ratio

n. the relative size or amount of one thing to another, typically expressed in the form of a fraction or decimal

synonym : proportion, rate, quota

(1) debt-to-income **ratio**, (2) **ratio** of boys to girls

The **ratio** of water to sugar in the recipe is 1:2.

proportion

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

synonym : ratio, balance, consonance

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

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

quantity

n. the amount or number of something; magnitude

synonym : abundance, portion, amount

(1) half **quantity**, (2) residual **quantity**

In southward, the average annual water **quantity** increases.

storage

n. the act or process of putting in and keeping something in a particular place for use in the future; an electronic memory device that can store information

synonym: storehouse, depository, warehousing

(1) a **storage** battery, (2) **storage** at low temperature

We store customer data in cloud **storage**.

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.

sudoku

n. a logic-based, combinatorial number-placement puzzle that typically consists of a 9x9 grid divided into nine 3x3 sub-grids and requires the solver to fill in each empty square with a number from 1-9, with the constraint that no number can appear more than once in a row, column, or sub-grid

synonym: number puzzle, logic game, brain teaser

(1) the difficulty level of **sudoku**, (2) solve a **sudoku**

I enjoy solving **sudoku** puzzles in my free time.

puzzle

n. a situation that is difficult to follow or solve; a game, problem, or toy that tests a person's ingenuity or knowledge; (verb) to cause someone to feel confused because of something difficult to understand

synonym: plight, maze, (verb) perplex

(1) crossword **puzzle**, (2) mathematical **puzzle**

This jigsaw **puzzle** is challenging because there are no pictures.

recruit

v. to persuade someone to work for a company; to find new members for an organization, the armed forces, etc.

synonym: raise, enroll, enlist

(1) **recruit** a good worker, (2) **recruit** a new hire

The colonial government **recruited** militia support when civil war broke out.

cam

n. a device or mechanism that converts rotary motion to linear motion or vice versa; a revolving cylinder with an irregular shape used in machinery to convert rotary motion into intermittent or reciprocating motion; an abbreviation for camera

synonym: camera, device, gadget

(1) security **cam**, (2) **cam** lever

The mechanic adjusted the **cam** mechanism to improve the engine's performance.

suppose

v. to think that something is likely to be actual or possible

synonym: guess, assume, presume

(1) **suppose** you're right, (2) **suppose** beforehand

What do you **suppose** the culprit's motive was?

hardware

n. durable tools, machinery, and other equipment; the physical and electronic parts of a computer or other electronic systems

synonym: gear, apparatus, gadget

(1) the **hardware** department, (2) a vast inventory of **hardware**

The mouse and keyboard are essential **hardware** for operating a PC.

delivery

n. the act of taking or sending something to a destination; the bringing of a baby during childbirth

synonym: sending, transporting, bringing

(1) an easy **delivery**, (2) special **delivery**

The **delivery** truck arrived with the packages.

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.

byte

n. a unit of digital information that consists of 8 bits, typically used to represent a single character of text or a small amount of computer code

(1) **byte** code, (2) **byte** array

The computer hard drive had plenty of storage space but was running low on available **bytes**.

offline

adj. not connected to the internet

synonym: disconnected, not connected, unplugged

(1) **offline** course, (2) **offline** mode

The computer is **offline** and cannot be accessed at the moment.

tap

v. to hit someone or something quickly, gently, and often repeatedly; to use existing resources, such as energy, knowledge, etc.

synonym: knock, exploit, use

(1) **tap** a new market, (2) **tap** keyboard with an index finger

To expand the company, we must **tap** new human resources.

consume

v. to spend something, especially fuel, energy, or time, in a large amount

synonym: absorb, ingest, use up

(1) **consume** a large of alcohol, (2) **consume** electricity

A smaller car will **consume** less fuel.

contender

n. the contestant you hope to defeat

synonym: rival, competitor, challenger

(1) championship **contender**, (2) presidential **contender**

We were looking at a severe **contender** indeed.

depth

n. the distance between the top and bottom of something; between the top surface and a distance below it

synonym: deepness, profoundness, extent

(1) **depth** camera, (2) the **depth** of the water

The pond's **depth** was around five feet.

glacier

n. a slowly moving mass of ice formed from snow on mountains or near the North Pole or the South Pole

synonym: iceberg, ice floe

(1) **glacier** retreat, (2) **glaciers** move tardily

The **glaciers** of the ice age have shaped Fjord.

impractical

adj. not sensible or useful for practical purposes; not likely to be effective in achieving an intended outcome

synonym: impracticable, unrealizable, unfeasible

(1) **impractical** idea, (2) **impractical** solution

It is **impractical** to expect everyone to work for free.

envelop

v. to surround and cover completely; to encase

synonym: wrap, cover, surround

(1) **envelop** the whole world, (2) **envelop** her in a bear hug

The fog **enveloped** the city, making it difficult to see.

bunch

n. a grouping of several similar things which are growing or fastened together

synonym: group, assemblage, bundle

(1) a **bunch** of trees, (2) a **bunch** of schoolgirls

One bad apple spoils the whole **bunch**.

software

n. a set of computer programs and associated documentation and data for doing particular computational jobs

synonym: program, system, operating system

(1) **software** architect, (2) copyrighted **software**

The company specializes in both hardware and **software**.

scan

v. to examine something hastily, with the eyes or with a machine, to get information

synonym: look over, scrutinize, browse

(1) **scan** the face of the man, (2) **scan** a document into PDF
She stood on the podium and **scanned** an audience.

crack

v. to break or cause to break without dividing into separate parts; (noun) a line on the surface of something along which it has separated without breaking

synonym: snap, burst, break

(1) **crack** an eggshell, (2) a **crack** in a board

He that would eat the kernel must **crack** the nut.

equation

n. the act of regarding as equal; (mathematics) a statement that expresses the equality of two expressions by connecting them with the equals sign

(1) the **equation** of poverty with ignorance, (2) a chemical **equation**

In this class, you will learn how to solve quadratic **equations**.

calculate

v. to judge or find out the amount or number of something by using mathematics

synonym: compute, figure, estimate

(1) **calculate** the distance, (2) **calculate** his credit score

He couldn't **calculate** the actual value of the artwork.

sake

n. purpose; reason for wanting something done

synonym: purpose, reason, interest

(1) for your own **sake**, (2) for the **sake** of argument

He got a new job for the **sake** of his family.

symbol

n. something visible that is used to represent something else

synonym: mark, character, insignia

(1) **symbol** color, (2) **symbol** for happiness

The dragon is considered a **symbol** of bravery.

anonymous

adj. having no known name, identity, or known source

synonym: nameless, unidentified, unnamed

(1) **anonymous** letter, (2) **anonymous** house

She received several **anonymous** calls.

urgent

adj. requiring immediate attention or action; pressing

synonym: pressing, critical, immediate

(1) an **urgent** telegram, (2) **urgent** situation

It is **urgent** that we leave for the airport now to catch our flight.

differentiate

v. to recognize or establish as being distinct; to distinguish between things that are compared; to calculate a derivative

synonym: discern, distinguish, separate

(1) **differentiate** between fact and fiction, (2) **differentiate** a function

The teacher asked the students to **differentiate** between the two similar species of birds.

Session 2: Spelling

1. an icy bl__t
n. explosion, or a strong current of air, usually caused by an explosion; a sudden, thunderous noise
2. r__n the reputation
v. to damage, spoil, or demolish something; (noun) an unrecoverable state of devastation and destruction,
3. su___t an application
v. to give or offer a document, proposal, etc. to a decision-maker for examination or consideration
4. gov_____nt bureaucracy
n. the group of people with authority to control a country or state
5. direct pro_____on
n. a part, share, or amount of something considered in comparative relation to a whole
6. clothing r__k
n. a framework or support structure used to hold or display objects; a set of interconnected shelves or compartments used for storage; a source of torture, distress, or mental anguish
7. agree to su___t the bill
v. to give or offer a document, proposal, etc. to a decision-maker for examination or consideration
8. ba_____rd angle
adv. at, to, or toward the direction or place that is behind or rear
9. heavy ni_____en
n. a chemical element with the symbol N and atomic number 7, which is a highly reactive element that forms part of many compounds, including amino acids and proteins

ANSWERS: 1. blast, 2. ruin, 3. submit, 4. government, 5. proportion, 6. rack, 7. submit, 8. backward, 9. nitrogen

10. make a pi__h for a new product *n.* the property of sound that varies with variation in the frequency of vibration; the degree of a slope, especially of a roof; short presentation for selling or sharing something
11. el____le candidates *adj.* having the required qualities or satisfying the necessary criteria
12. dif____ate a function *v.* to recognize or establish as being distinct; to distinguish between things that are compared; to calculate a derivative
13. an____us house *adj.* having no known name, identity, or known source
14. en____p the whole world *v.* to surround and cover completely; to encase
15. a fl__d of questions *n.* a large amount of water flowing beyond its normal limits; an overwhelming number or amount
16. gov____nt funding *n.* the group of people with authority to control a country or state
17. sy__l for happiness *n.* something visible that is used to represent something else
18. um____e decision *n.* a person, particularly in sports, who arbitrates or referee's a game, match, or competition; an impartial mediator or judge in a dispute or conflict
19. de__h camera *n.* the distance between the top and bottom of something; between the top surface and a distance below it

ANSWERS: 10. pitch, 11. eligible, 12. differentiate, 13. anonymous, 14. envelop, 15. flood, 16. government, 17. symbol, 18. umpire, 19. depth

20. ex___c species *adj.* originating from or characteristic of a foreign country or culture; strikingly unusual, uncommon, or intriguing
21. ex___d a lineup *v.* to increase or to make something greater in size, number, or importance
22. a bl__t of wind *n.* explosion, or a strong current of air, usually caused by an explosion; a sudden, thunderous noise
23. cr__k an eggshell *v.* to break or cause to break without dividing into separate parts; (noun) a line on the surface of something along which it has separated without breaking
24. financial ba____op *n.* a barrier or obstacle used to prevent something from proceeding past a certain point; a person or position that serves as protection or support in case of difficulty or failure
25. ba____op agreement *n.* a barrier or obstacle used to prevent something from proceeding past a certain point; a person or position that serves as protection or support in case of difficulty or failure
26. co____e electricity *v.* to spend something, especially fuel, energy, or time, in a large amount
27. an____us letter *adj.* having no known name, identity, or known source
28. re____t a new hire *v.* to persuade someone to work for a company; to find new members for an organization, the armed forces, etc.

ANSWERS: 20. exotic, 21. expand, 22. blast, 23. crack, 24. backstop, 25. backstop, 26. consume, 27. anonymous, 28. recruit

29. a bu__h of schoolgirls *n.* a grouping of several similar things which are growing or fastened together
30. a rental wa_____se *n.* a large building for storing goods and merchandise, especially before they are sold, used, or sent out to shops
31. fr_____nt of a text *n.* a small piece or part broken off or detached
32. school req_____nt *n.* something that is needed or wanted
33. mu_____om spores *n.* a type of fungus that grows on dead or decaying organic matter and typically has a stalk and an umbrella-shaped cap
34. ba___r the eggs *v.* to hit something or someone repeatedly with much force; (noun, baseball) a ballplayer who is batting
35. el_____fy a manufacturing process *v.* to make a machine or system work by using electricity; to make someone extremely enthusiastic about or interested in something
36. si_____e portion *adj.* large in size or amount
37. a di_____l watch *adj.* processing or storing information as a succession of 1 and 0 to show that a signal is present or missing; relating to the use of computer technology, especially the internet
38. dis_____ate over time *v.* break or cause to break into small fragments
39. half qu_____ty *n.* the amount or number of something; magnitude

ANSWERS: 29. bunch, 30. warehouse, 31. fragment, 32. requirement, 33. mushroom, 34. batter, 35. electrify, 36. sizable, 37. digital, 38. disintegrate, 39. quantity

40. es____te a fair value *v.* to guess or calculate the cost, size, value, etc. of something
41. el____le for a refund *adj.* having the required qualities or satisfying the necessary criteria
42. baseball pi____r *n.* a container with a spout used for pouring liquids, particularly used for serving drinks such as water or juice; a player in baseball who pitches the ball toward the batter
43. f__e away almost completely *v.* to vanish; to fade away; to lose color; to lose freshness
44. le____e championship *n.* an association of sports teams who compete against each other; an obsolete unit of distance of variable length, equal to about 3 miles or 4,000 meters
45. c_m lever *n.* a device or mechanism that converts rotary motion to linear motion or vice versa; a revolving cylinder with an irregular shape used in machinery to convert rotary motion into intermittent or reciprocating motion; an abbreviation for camera
46. the ba____r's box *v.* to hit something or someone repeatedly with much force; (noun, baseball) a ballplayer who is batting
47. gl____r retreat *n.* a slowly moving mass of ice formed from snow on mountains or near the North Pole or the South Pole
48. en____f the politician *v.* to swallow up; to surround and cover completely

ANSWERS: 40. estimate, 41. eligible, 42. pitcher, 43. fade, 44. league, 45. cam, 46. batter, 47. glacier, 48. engulf

49. pu__h out numbers *v.* to strike someone or something with one's fist; to make a hole in something
50. use of nu____r power *adj.* of or relating to or constituting the nucleus of an atom; deriving destructive energy from the release of atomic energy
51. ni____en absorption *n.* a chemical element with the symbol N and atomic number 7, which is a highly reactive element that forms part of many compounds, including amino acids and proteins
52. special de____ry *n.* the act of taking or sending something to a destination; the bringing of a baby during childbirth
53. h__y dream *adj.* not clear due to a lack of recollection, comprehension, or detail; unsure or perplexed about something
54. st____e at low temperature *n.* the act or process of putting in and keeping something in a particular place for use in the future; an electronic memory device that can store information
55. ra__o of boys to girls *n.* the relative size or amount of one thing to another, typically expressed in the form of a fraction or decimal
56. ca____n dioxide *n.* a chemical element that can be found in pure form as diamond or graphite, and it is also an essential part of coal and oil and is found in all plants and animals
57. give sm____ng results *adj.* very successful or impressive; causing something to be broken or destroyed

ANSWERS: 49. punch, 50. nuclear, 51. nitrogen, 52. delivery, 53. hazy, 54. storage, 55. ratio, 56. carbon, 57. smashing

58. pu__h a ticket *v.* to strike someone or something with one's fist; to make a hole in something
59. residual qu____ty *n.* the amount or number of something; magnitude
60. s__n a document into PDF *v.* to examine something hastily, with the eyes or with a machine, to get information
61. make a cal_____on *n.* the act or process of using numbers to judge an amount of something
62. sy___l color *n.* something visible that is used to represent something else
63. ad_____e the technology *v.* to go or move forward; to develop in a positive way
64. test my hyp_____is *n.* a proposed idea or explanation that is based on a few known facts but has not yet been proven to be true or accurate
65. small mo_____les *n.* a group of two or more atoms held together by attractive forces known as chemical bonds
66. debt-to-income ra__o *n.* the relative size or amount of one thing to another, typically expressed in the form of a fraction or decimal
67. b_t an eye *n.* a nocturnal animal with wings that flies and feeds at night, similar to a mouse; a piece of wood with a handle used for hitting the ball in sports including baseball, cricket, and table tennis
68. not no_____ly drink much *adv.* usually; under normal conditions

ANSWERS: 58. punch, 59. quantity, 60. scan, 61. calculation, 62. symbol, 63. advance, 64. hypothesis, 65. molecule, 66. ratio, 67. bat, 68. normally

69. imp_____al solution *adj.* not sensible or useful for practical purposes; not likely to be effective in achieving an intended outcome
70. s__p seats *v.* to give something and receive something in trade
71. ad_____e a cooperative relationship *v.* to go or move forward; to develop in a positive way
72. es_____te this chicken to weigh three pounds *v.* to guess or calculate the cost, size, value, etc. of something
73. dif_____ate between fact and fiction *v.* to recognize or establish as being distinct; to distinguish between things that are compared; to calculate a derivative
74. a fl__h of lightning *n.* a sudden intense burst of radiant energy; a momentary brightness
75. of_____e course *adj.* not connected to the internet
76. sh__d paper into little pieces *v.* to tear or cut something into a small pieces; (noun) a tiny or scarcely detectable amount
77. t_p a new market *v.* to hit someone or something quickly, gently, and often repeatedly; to use existing resources, such as energy, knowledge, etc.
78. meet req_____nt *n.* something that is needed or wanted
79. work as a se____r in a restaurant *n.* a computer program or a device from which other computers get information; a person who serves food in a restaurant

ANSWERS: 69. impractical, 70. swap, 71. advance, 72. estimate, 73. differentiate, 74. flash, 75. offline, 76. shred, 77. tap, 78. requirement, 79. server

80. cal_____on of loss and gain *n.* the act or process of using numbers to judge an amount of something
81. di_____l electronic signature *adj.* processing or storing information as a succession of 1 and 0 to show that a signal is present or missing; relating to the use of computer technology, especially the internet
82. a good grounding in mat_____cs *n.* the science dealing with the logic of quantities, shapes, spaces, and arrangement
83. si_____e audience *adj.* large in size or amount
84. heat fu____n *n.* the process of combining two or more things to form a single entity
85. crossword pu____e *n.* a situation that is difficult to follow or solve; a game, problem, or toy that tests a person's ingenuity or knowledge; (verb) to cause someone to feel confused because of something difficult to understand
86. brilliant fl__h *n.* a sudden intense burst of radiant energy; a momentary brightness
87. nan_____nd response *n.* one thousand millionth or billionth (= 0.000,000,001) of a second
88. tr_____r inflation *v.* to make something happen suddenly; to cause something such as a device, machine, etc. to function
89. ca_____te the distance *v.* to judge or find out the amount or number of something by using mathematics

ANSWERS: 80. calculation, 81. digital, 82. mathematics, 83. sizable, 84. fusion, 85. puzzle, 86. flash, 87. nanosecond, 88. trigger, 89. calculate

90. imp_____al idea *adj.* not sensible or useful for practical purposes; not likely to be effective in achieving an intended outcome
91. fair um___e *n.* a person, particularly in sports, who arbitrates or referee's a game, match, or competition; an impartial mediator or judge in a dispute or conflict
92. wa_____se debt *n.* a large building for storing goods and merchandise, especially before they are sold, used, or sent out to shops
93. s__p columns with rows *v.* to give something and receive something in trade
94. gl_____rs move tardily *n.* a slowly moving mass of ice formed from snow on mountains or near the North Pole or the South Pole
95. nan_____nd laser pulse *n.* one thousand millionth or billionth (= 0.000,000,001) of a second
96. energy-ef_____nt appliances *adj.* performing at the highest level of productivity with the least wasted effort or resources; capable of achieving maximum output with minimum wasted effort, time, or materials
97. hy_____en gas *n.* the chemical element that is the lightest gas is colorless, odorless, tasteless, and combines with oxygen to form water
98. low-r_v engine *n.* a measure of the rate at which an engine or motor rotates, often expressed in revolutions per minute (RPM); (verb) to increase the number of rotations per minute

ANSWERS: 90. impractical, 91. umpire, 92. warehouse, 93. swap, 94. glacier, 95. nanosecond, 96. efficient, 97. hydrogen, 98. rev

99. the difficulty level of su___u *n.* a logic-based, combinatorial number-placement puzzle that typically consists of a 9x9 grid divided into nine 3x3 sub-grids and requires the solver to fill in each empty square with a number from 1-9, with the constraint that no number can appear more than once in a row, column, or sub-grid
100. r__n the plan *v.* to damage, spoil, or demolish something; (noun) an unrecoverable state of devastation and destruction,
101. increase sl_____ly *adv.* in a small degree or extent; a little
102. for your own s__e *n.* purpose; reason for wanting something done
103. s__n the face of the man *v.* to examine something hastily, with the eyes or with a machine, to get information
104. X-__y scan *n.* a type of electromagnetic radiation that has a wavelength shorter than visible light allowing hidden objects such as bones and organs inside the body to be photographed
105. a mail se___r *n.* a computer program or a device from which other computers get information; a person who serves food in a restaurant
106. a broken fr_____nt *n.* a small piece or part broken off or detached
107. su_____e you're right *v.* to think that something is likely to be actual or possible

ANSWERS: 99. sudoku, 100. ruin, 101. slightly, 102. sake, 103. scan, 104. X-ray, 105. server, 106. fragment, 107. suppose

108. pl___a membrane *n.* (biology) the yellow-colored liquid component of blood, in which blood cells are suspended; (physics) one of the four fundamental states of matter consisting of positive ions and free electrons
109. an easy de_____ry *n.* the act of taking or sending something to a destination; the bringing of a baby during childbirth
110. spice r__k *n.* a framework or support structure used to hold or display objects; a set of interconnected shelves or compartments used for storage; a source of torture, distress, or mental anguish
111. pa_____le energy *n.* a small piece of something; a word or piece of a term with grammatical function but little or no significance
112. mo_____le behavior *n.* a group of two or more atoms held together by attractive forces known as chemical bonds
113. come into co_____on with my friend *n.* an instance of two or more objects or entities crashing into each other, usually resulting in damage, impact, or conflict
114. ex___c vacation *adj.* originating from or characteristic of a foreign country or culture; strikingly unusual, uncommon, or intriguing
115. b__e code *n.* a unit of digital information that consists of 8 bits, typically used to represent a single character of text or a small amount of computer code

ANSWERS: 108. plasma, 109. delivery, 110. rack, 111. particle, 112. molecule, 113. collision, 114. exotic, 115. byte

116. nu____r fusion *adj.* of or relating to or constituting the nucleus of an atom; deriving destructive energy from the release of atomic energy
117. eve_____ly become obsolete *adv.* finally, particularly after a long time or a lot of struggle, complications, and so on
118. r_v up the crowd *n.* a measure of the rate at which an engine or motor rotates, often expressed in revolutions per minute (RPM); (verb) to increase the number of rotations per minute
119. an X-__y of arteries *n.* a type of electromagnetic radiation that has a wavelength shorter than visible light allowing hidden objects such as bones and organs inside the body to be photographed
120. a cr__k in a board *v.* to break or cause to break without dividing into separate parts; (noun) a line on the surface of something along which it has separated without breaking
121. f__e in importance *v.* to vanish; to fade away; to lose color; to lose freshness
122. a chemical eq_____on *n.* the act of regarding as equal; (mathematics) a statement that expresses the equality of two expressions by connecting them with the equals sign
123. a bold hyp_____is *n.* a proposed idea or explanation that is based on a few known facts but has not yet been proven to be true or accurate

ANSWERS: 116. nuclear, 117. eventually, 118. rev, 119. X-ray, 120. crack, 121. fade, 122. equation, 123. hypothesis

124. 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
125. t_p keyboard with an index finger *v.* to hit someone or something quickly, gently, and often repeatedly; to use existing resources, such as energy, knowledge, etc.
126. a bu__h of trees *n.* a grouping of several similar things which are growing or fastened together
127. a baseball le___e *n.* an association of sports teams who compete against each other; an obsolete unit of distance of variable length, equal to about 3 miles or 4,000 meters
128. complete no____ly *adv.* usually; under normal conditions
129. ex___d agricultural output *v.* to increase or to make something greater in size, number, or importance
130. mathematical pu___e *n.* a situation that is difficult to follow or solve; a game, problem, or toy that tests a person's ingenuity or knowledge; (verb) to cause someone to feel confused because of something difficult to understand
131. st____m capacity *n.* a large, usually roofless building with tiers of seats for spectators at sports or other events
132. ef_____nt operation *adj.* performing at the highest level of productivity with the least wasted effort or resources; capable of achieving maximum output with minimum wasted effort, time, or materials

ANSWERS: 124. mound, 125. tap, 126. bunch, 127. league, 128. normally, 129. expand, 130. puzzle, 131. stadium, 132. efficient

133. dis_____ate in an explosion *v.* break or cause to break into small fragments
134. heavy hy_____en *n.* the chemical element that is the lightest gas is colorless, odorless, tasteless, and combines with oxygen to form water
135. ur____t situation *adj.* requiring immediate attention or action; pressing
136. b_t cave *n.* a nocturnal animal with wings that flies and feeds at night, similar to a mouse; a piece of wood with a handle used for hitting the ball in sports including baseball, cricket, and table tennis
137. de___e a question *v.* to make up someone's mind about something; to come to a conclusion or judgment after considering options
138. the de__h of the water *n.* the distance between the top and bottom of something; between the top surface and a distance below it
139. eve_____ly succeed *adv.* finally, particularly after a long time or a lot of struggle, complications, and so on
140. co_____ct law *n.* a legally binding agreement between two or more parties, setting out their rights and obligations to each other, typically in writing and enforceable by law
141. re_____t a good worker *v.* to persuade someone to work for a company; to find new members for an organization, the armed forces, etc.

ANSWERS: 133. disintegrate, 134. hydrogen, 135. urgent, 136. bat, 137. decide, 138. depth, 139. eventually, 140. contract, 141. recruit

142. ca_____te his credit score *v.* to judge or find out the amount or number of something by using mathematics
143. the eq_____on of poverty with ignorance *n.* the act of regarding as equal; (mathematics) a statement that expresses the equality of two expressions by connecting them with the equals sign
144. high-temperature pl____a *n.* (biology) the yellow-colored liquid component of blood, in which blood cells are suspended; (physics) one of the four fundamental states of matter consisting of positive ions and free electrons
145. sh__d lettuce for a salad *v.* to tear or cut something into a small pieces; (noun) a tiny or scarcely detectable amount
146. mat_____cs competition *n.* the science dealing with the logic of quantities, shapes, spaces, and arrangement
147. a low-pi__hed sound *n.* the property of sound that varies with variation in the frequency of vibration; the degree of a slope, especially of a roof; short presentation for selling or sharing something
148. ca___n emission *n.* a chemical element that can be found in pure form as diamond or graphite, and it is also an essential part of coal and oil and is found in all plants and animals
149. economic bu___e *n.* a thin, round, and often transparent mass of gas that is surrounded by a thin layer of liquid; a state of economic or social prosperity that is unsustainable and eventually collapses

ANSWERS: 142. calculate, 143. equation, 144. plasma, 145. shred, 146. mathematics, 147. pitch, 148. carbon, 149. bubble

150. the ha____re department *n.* durable tools, machinery, and other equipment; the physical and electronic parts of a computer or other electronic systems
151. a sm____ng blow *adj.* very successful or impressive; causing something to be broken or destroyed
152. co____on detection *n.* an instance of two or more objects or entities crashing into each other, usually resulting in damage, impact, or conflict
153. charged pa____le *n.* a small piece of something; a word or piece of a term with grammatical function but little or no significance
154. f__t accomplishment *n.* a notable or impressive achievement, especially one that requires great skill or bravery
155. water pi____r *n.* a container with a spout used for pouring liquids, particularly used for serving drinks such as water or juice; a player in baseball who pitches the ball toward the batter
156. intellectual f__t *n.* a notable or impressive achievement, especially one that requires great skill or bravery
157. championship co____er *n.* the contestant you hope to defeat
158. su____e beforehand *v.* to think that something is likely to be actual or possible
159. tr____r a biochemical response *v.* to make something happen suddenly; to cause something such as a device, machine, etc. to function

ANSWERS: 150. hardware, 151. smashing, 152. collision, 153. particle, 154. feat, 155. pitcher, 156. feat, 157. contender, 158. suppose, 159. trigger

160. sl____ly alkaline soils *adv.* in a small degree or extent; a little
161. a building of vast pro_____ons *n.* a part, share, or amount of something considered in comparative relation to a whole
162. 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
163. b__e array *n.* a unit of digital information that consists of 8 bits, typically used to represent a single character of text or a small amount of computer code
164. fu___n cuisine *n.* the process of combining two or more things to form a single entity
165. st_____m seating *n.* a large, usually roofless building with tiers of seats for spectators at sports or other events
166. presidential co_____er *n.* the contestant you hope to defeat
167. for the s__e of argument *n.* purpose; reason for wanting something done
168. en_____p her in a bear hug *v.* to surround and cover completely; to encase
169. co_____e a large of alcohol *v.* to spend something, especially fuel, energy, or time, in a large amount
170. solve a su___u *n.* a logic-based, combinatorial number-placement puzzle that typically consists of a 9x9 grid divided into nine 3x3 sub-grids and requires the solver to fill in each empty square with a number from 1-9, with the constraint that no number can appear more than once in a row, column, or sub-grid

ANSWERS: 160. slightly, 161. proportion, 162. decide, 163. byte, 164. fusion, 165. stadium, 166. contender, 167. sake, 168. envelop, 169. consume, 170. sudoku

171. walk ba____rd *adv.* at, to, or toward the direction or place that is behind or rear
172. h__y atmosphere *adj.* not clear due to a lack of recollection, comprehension, or detail; unsure or perplexed about something
173. so____re architect *n.* a set of computer programs and associated documentation and data for doing particular computational jobs
174. mu____om cultivation *n.* a type of fungus that grows on dead or decaying organic matter and typically has a stalk and an umbrella-shaped cap
175. copyrighted so____re *n.* a set of computer programs and associated documentation and data for doing particular computational jobs
176. fl__d advisory *n.* a large amount of water flowing beyond its normal limits; an overwhelming number or amount
177. a st____e battery *n.* the act or process of putting in and keeping something in a particular place for use in the future; an electronic memory device that can store information
178. a vast inventory of ha____re *n.* durable tools, machinery, and other equipment; the physical and electronic parts of a computer or other electronic systems
179. el____fy the audience *v.* to make a machine or system work by using electricity; to make someone extremely enthusiastic about or interested in something

ANSWERS: 171. backward, 172. hazy, 173. software, 174. mushroom, 175. software, 176. flood, 177. storage, 178. hardware, 179. electrify

180. bu___e in the champagne glass *n.* a thin, round, and often transparent mass of gas that is surrounded by a thin layer of liquid; a state of economic or social prosperity that is unsustainable and eventually collapses
181. employment co_____ct *n.* a legally binding agreement between two or more parties, setting out their rights and obligations to each other, typically in writing and enforceable by law
182. of_____e mode *adj.* not connected to the internet
183. en___f in water *v.* to swallow up; to surround and cover completely
184. 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
185. an ur___t telegram *adj.* requiring immediate attention or action; pressing
186. security c_m *n.* a device or mechanism that converts rotary motion to linear motion or vice versa; a revolving cylinder with an irregular shape used in machinery to convert rotary motion into intermittent or reciprocating motion; an abbreviation for camera

ANSWERS: 180. bubble, 181. contract, 182. offline, 183. engulf, 184. mound, 185. urgent, 186. cam

Session 3: Fill in the Blanks

1. These heavy rains caused _____ floods on several islands.
n. a sudden intense burst of radiant energy; a momentary brightness
2. He got so angry that he _____ the door down.
v. to hit something or someone repeatedly with much force; (noun, baseball) a ballplayer who is batting
3. He has a _____ fortune and is one of the wealthiest people in the city.
adj. large in size or amount
4. It is _____ that we leave for the airport now to catch our flight.
adj. requiring immediate attention or action; pressing
5. Scientific knowledge will _____ significantly with the power of AI.
v. to go or move forward; to develop in a positive way
6. The fog _____ the city, making it difficult to see.
v. to surround and cover completely; to encase
7. The band's new album was a _____ success, reaching the top of the charts.
adj. very successful or impressive; causing something to be broken or destroyed
8. It is an incredible _____ to climb Mount Everest, the highest mountain in the world.
n. a notable or impressive achievement, especially one that requires great skill or bravery

ANSWERS: 1. flash, 2. battered, 3. sizable, 4. urgent, 5. advance, 6. enveloped, 7. smashing, 8. feat

9. I don't _____ take a vacation in the middle of summer.
adv. usually; under normal conditions
10. The new washing machine is much more _____ than the old one.
adj. performing at the highest level of productivity with the least wasted effort or resources; capable of achieving maximum output with minimum wasted effort, time, or materials
11. These heavy rains caused flash _____ on several islands.
n. a large amount of water flowing beyond its normal limits; an overwhelming number or amount
12. We store customer data in cloud _____.
n. the act or process of putting in and keeping something in a particular place for use in the future; an electronic memory device that can store information
13. The federal _____ is planning to increase taxes for the next fiscal year.
n. the group of people with authority to control a country or state
14. He is more concerned about the _____ of his body fat than usual because of an upcoming bodybuilding competition.
n. a part, share, or amount of something considered in comparative relation to a whole
15. After the airing of the TV commercial, many people accessed the website, and the _____ went down.
n. a computer program or a device from which other computers get information; a person who serves food in a restaurant
16. The processor performs calculations on the _____ timescale.
n. one thousand millionth or billionth (= 0.000,000,001) of a second

ANSWERS: 9. normally, 10. efficient, 11. floods, 12. storage, 13. government, 14. proportion, 15. server, 16. nanosecond

17. He _____ the wall in anger.

v. to strike someone or something with one's fist; to make a hole in something

18. My memory will _____ but my heart will live on.

v. to vanish; to fade away; to lose color; to lose freshness

19. It is _____ to expect everyone to work for free.

adj. not sensible or useful for practical purposes; not likely to be effective in achieving an intended outcome

20. We _____ the season's total trade deficit at \$50 billion.

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

21. I need to buy a new coat _____ to organize my winter jackets.

n. a framework or support structure used to hold or display objects; a set of interconnected shelves or compartments used for storage; a source of torture, distress, or mental anguish

22. What do you _____ the culprit's motive was?

v. to think that something is likely to be actual or possible

23. A smaller car will _____ less fuel.

v. to spend something, especially fuel, energy, or time, in a large amount

24. Her voice gradually increased in _____.

n. the property of sound that varies with variation in the frequency of vibration; the degree of a slope, especially of a roof; short presentation for selling or sharing something

ANSWERS: 17. punched, 18. fade, 19. impractical, 20. estimated, 21. rack, 22. suppose, 23. consume, 24. pitch

25. The archaeologist carefully pieced together the tiny _____ of pottery found at the dig site.
- n.* a small piece or part broken off or detached
26. The _____ truck arrived with the packages.
- n.* the act of taking or sending something to a destination; the bringing of a baby during childbirth
27. The computer hard drive had plenty of storage space but was running low on available _____.
- n.* a unit of digital information that consists of 8 bits, typically used to represent a single character of text or a small amount of computer code
28. The computer is _____ and cannot be accessed at the moment.
- adj.* not connected to the internet
29. All those _____ will receive a substantial amount of money.
- adj.* having the required qualities or satisfying the necessary criteria
30. The mechanic adjusted the _____ mechanism to improve the engine's performance.
- n.* a device or mechanism that converts rotary motion to linear motion or vice versa; a revolving cylinder with an irregular shape used in machinery to convert rotary motion into intermittent or reciprocating motion; an abbreviation for camera
31. One bad apple spoils the whole _____.
- n.* a grouping of several similar things which are growing or fastened together
32. The _____ of water to sugar in the recipe is 1:2.
- n.* the relative size or amount of one thing to another, typically expressed in the form of a fraction or decimal

ANSWERS: 25. fragments, 26. delivery, 27. bytes, 28. offline, 29. eligible, 30. cam, 31. bunch, 32. ratio

33. She received several _____ calls.

adj. having no known name, identity, or known source

34. He stepped on the gas pedal, and the engine released a loud _____.

n. a measure of the rate at which an engine or motor rotates, often expressed in revolutions per minute (RPM); (verb) to increase the number of rotations per minute

35. The fire ruined all the food stored in the _____.

n. a large building for storing goods and merchandise, especially before they are sold, used, or sent out to shops

36. The _____ of tectonic plates can result in new mountain ranges, such as the Himalayas or the Alps.

n. an instance of two or more objects or entities crashing into each other, usually resulting in damage, impact, or conflict

37. In this class, you will learn how to solve quadratic _____.

n. the act of regarding as equal; (mathematics) a statement that expresses the equality of two expressions by connecting them with the equals sign

38. I enjoy solving _____ puzzles in my free time.

n. a logic-based, combinatorial number-placement puzzle that typically consists of a 9x9 grid divided into nine 3x3 sub-grids and requires the solver to fill in each empty square with a number from 1-9, with the constraint that no number can appear more than once in a row, column, or sub-grid

39. The pond's _____ was around five feet.

n. the distance between the top and bottom of something; between the top surface and a distance below it

ANSWERS: 33. anonymous, 34. rev, 35. warehouse, 36. collision, 37. equations, 38. sudoku, 39. depth

40. The _____ shattered the laboratory equipment.
- n.* explosion, or a strong current of air, usually caused by an explosion; a sudden, thunderous noise
41. The teacher asked the students to _____ between the two similar species of birds.
- v.* to recognize or establish as being distinct; to distinguish between things that are compared; to calculate a derivative
42. He moved his body _____ to the left.
- adv.* in a small degree or extent; a little
43. 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
44. In southward, the average annual water _____ increases.
- n.* the amount or number of something; magnitude
45. To expand the company, we must ____ new human resources.
- v.* to hit someone or something quickly, gently, and often repeatedly; to use existing resources, such as energy, knowledge, etc.
46. This jigsaw _____ is challenging because there are no pictures.
- n.* a situation that is difficult to follow or solve; a game, problem, or toy that tests a person's ingenuity or knowledge; (verb) to cause someone to feel confused because of something difficult to understand
47. There is not a _____ of evidence that he is guilty.
- v.* to tear or cut something into a small pieces; (noun) a tiny or scarcely detectable amount

ANSWERS: 40. blast, 41. differentiate, 42. slightly, 43. mound, 44. quantity, 45. tap, 46. puzzle, 47. shred

48. Trees absorb _____ dioxide and give off oxygen.
- n.* a chemical element that can be found in pure form as diamond or graphite, and it is also an essential part of coal and oil and is found in all plants and animals
49. The _____ of the ice age have shaped Fjord.
- n.* a slowly moving mass of ice formed from snow on mountains or near the North Pole or the South Pole
50. He couldn't _____ the actual value of the artwork.
- v.* to judge or find out the amount or number of something by using mathematics
51. The vase _____ into pieces when it fell to the ground.
- v.* break or cause to break into small fragments
52. He knocked over the red wine and _____ the tablecloth.
- v.* to damage, spoil, or demolish something; (noun) an unrecoverable state of devastation and destruction,
53. The new regulations serve as a _____ to prevent future environmental disasters.
- n.* a barrier or obstacle used to prevent something from proceeding past a certain point; a person or position that serves as protection or support in case of difficulty or failure
54. Many countries have now agreed to a treaty banning the use of _____ weapons.
- adj.* of or relating to or constituting the nucleus of an atom; deriving destructive energy from the release of atomic energy
55. Nuclear _____ is a process in which atomic nuclei combine to form heavier nuclei.
- n.* the process of combining two or more things to form a single entity

ANSWERS: 48. carbon, 49. glaciers, 50. calculate, 51. disintegrated, 52. ruined, 53. backstop, 54. nuclear, 55. fusion

56. Many people worry that the current real estate market is a _____ that could burst soon.
- n.* a thin, round, and often transparent mass of gas that is surrounded by a thin layer of liquid; a state of economic or social prosperity that is unsustainable and eventually collapses
57. 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
58. The cave was a habitat for _____.
- n.* a nocturnal animal with wings that flies and feeds at night, similar to a mouse; a piece of wood with a handle used for hitting the ball in sports including baseball, cricket, and table tennis
59. The colonial government _____ militia support when civil war broke out.
- v.* to persuade someone to work for a company; to find new members for an organization, the armed forces, etc.
60. She falls over _____ when she sees her mother-in-law.
- adv.* at, to, or toward the direction or place that is behind or rear
61. I love trying _____ foods from different cultures.
- adj.* originating from or characteristic of a foreign country or culture; strikingly unusual, uncommon, or intriguing
62. The fire quickly _____ the entire building.
- v.* to swallow up; to surround and cover completely
63. My memories of the holiday were _____.
- adj.* not clear due to a lack of recollection, comprehension, or detail; unsure or perplexed about something

ANSWERS: 56. bubble, 57. decide, 58. bats, 59. recruited, 60. backward, 61. exotic, 62. engulfed, 63. hazy

64. Don't _____ horses while crossing a stream.

v. to give something and receive something in trade

65. We can calculate the position of the _____ statistically.

n. a small piece of something; a word or piece of a term with grammatical function but little or no significance

66. Blood _____ makes up about half of the volume of blood.

n. (biology) the yellow-colored liquid component of blood, in which blood cells are suspended; (physics) one of the four fundamental states of matter consisting of positive ions and free electrons

67. She stood on the podium and _____ an audience.

v. to examine something hastily, with the eyes or with a machine, to get information

68. What is the entry _____ for this course?

n. something that is needed or wanted

69. The doctor ordered an _____ to see if there was any damage to the bones.

n. a type of electromagnetic radiation that has a wavelength shorter than visible light allowing hidden objects such as bones and organs inside the body to be photographed

70. He has a flair for _____.

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

71. The company signed a _____ with the supplier for the delivery of goods.

n. a legally binding agreement between two or more parties, setting out their rights and obligations to each other, typically in writing and enforceable by law

ANSWERS: 64. swap, 65. particles, 66. plasma, 67. scanned, 68. requirement, 69. X-ray, 70. mathematics, 71. contract

72. When we ordered iced tea, the waiter brought us a _____ full of the beverage.
- n.* a container with a spout used for pouring liquids, particularly used for serving drinks such as water or juice; a player in baseball who pitches the ball toward the batter
73. The error in the _____ was attributable to rounding.
- n.* the act or process of using numbers to judge an amount of something
74. The cricket _____ signaled a boundary by raising his arms.
- n.* a person, particularly in sports, who arbitrates or referee's a game, match, or competition; an impartial mediator or judge in a dispute or conflict
75. The dragon is considered a _____ of bravery.
- n.* something visible that is used to represent something else
76. This evidence supports the big-bang _____.
- n.* a proposed idea or explanation that is based on a few known facts but has not yet been proven to be true or accurate
77. The _____ and the oxygen react and then form water.
- n.* the chemical element that is the lightest gas is colorless, odorless, tasteless, and combines with oxygen to form water
78. The mouse and keyboard are essential _____ for operating a PC.
- n.* durable tools, machinery, and other equipment; the physical and electronic parts of a computer or other electronic systems
79. The _____ risotto was delicious, but I couldn't identify all the mushrooms in it.
- n.* a type of fungus that grows on dead or decaying organic matter and typically has a stalk and an umbrella-shaped cap

ANSWERS: 72. pitcher, 73. calculation, 74. umpire, 75. symbol, 76. hypothesis, 77. hydrogen, 78. hardware, 79. mushroom

80. We were looking at a severe _____ indeed.
- n.* the contestant you hope to defeat
81. _____ gas is used to inflate car tires because it does not react with rubber.
- n.* a chemical element with the symbol N and atomic number 7, which is a highly reactive element that forms part of many compounds, including amino acids and proteins
82. Please _____ the assignment to me.
- v.* to give or offer a document, proposal, etc. to a decision-maker for examination or consideration
83. They hope to _____ their business worldwide.
- v.* to increase or to make something greater in size, number, or importance
84. The product developed through years of research continues to _____ the market.
- v.* to make a machine or system work by using electricity; to make someone extremely enthusiastic about or interested in something
85. Sensors convert physical phenomena into _____ signals.
- adj.* processing or storing information as a succession of 1 and 0 to show that a signal is present or missing; relating to the use of computer technology, especially the internet
86. The company specializes in both hardware and _____.
- n.* a set of computer programs and associated documentation and data for doing particular computational jobs
87. The shape of the DNA _____ is a double helix.
- n.* a group of two or more atoms held together by attractive forces known as chemical bonds

ANSWERS: 80. contender, 81. Nitrogen, 82. submit, 83. expand, 84. electrify, 85. digital, 86. software, 87. molecule

88. The baseball _____ was filled with excited fans eagerly awaiting the start of the game.

- n.* a large, usually roofless building with tiers of seats for spectators at sports or other events

89. He got a new job for the _____ of his family.

- n.* purpose; reason for wanting something done

90. The corporation _____ dominated the entire tobacco business.

- adv.* finally, particularly after a long time or a lot of struggle, complications, and so on

91. The incident _____ a political controversy.

- v.* to make something happen suddenly; to cause something such as a device, machine, etc. to function

92. He was recruited to play in the professional _____.

- n.* an association of sports teams who compete against each other; an obsolete unit of distance of variable length, equal to about 3 miles or 4,000 meters

93. He that would eat the kernel must _____ the nut.

- v.* to break or cause to break without dividing into separate parts; (noun) a line on the surface of something along which it has separated without breaking

ANSWERS: 88. stadium, 89. sake, 90. eventually, 91. triggered, 92. league, 93. crack