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Vocabulary Builder Reference from...

Carlo Ratti: Architecture that senses and responds | TED Talk

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

All Words

IMPORTANT

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Session 1: Word List

pixel

n. the smallest unit of an image that can be displayed or manipulated electronically, typically a point of light on a computer screen or in a digital image

synonym: dot, point, picture element

(1) **pixel** density, (2) color **pixels**

The computer screen comprises thousands of tiny **pixels** that create the overall picture.

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**.

origin

n. the first existence or beginning of something

synonym: root, source, ancestor

(1) **origin** of information, (2) racial **origin**

There are various hypotheses concerning the **origin** of life.

formula

n. a group of symbols, letters, or numbers that represent a rule, law, or mathematical statement

synonym: expression, recipe, procedure

(1) structural **formula**, (2) a binomial **formula**

The teacher told the students to memorize the math **formula**.

bet

v. to risk money on the result of an event or a competition, such as a race or game, to get more money; to have faith or confidence in something

synonym: stake, wager, gamble

(1) **bet** on a race, (2) **bet** my future

I **bet** that you know it.

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.

transmit

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

synonym: convey, share, dispatch

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

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

process

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

synonym: procedure, method, system

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

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

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.

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.

component

n. one of several parts that combines with others to form something bigger

synonym: element, part, factor

(1) key **component**, (2) spare **components** for cars

The researchers try to discover a common **component** in all types of successful organizations.

actuate

v. to cause a machine or equipment to start to work

synonym: motivate, spark, drive

(1) **actuate** the circuits, (2) **actuate** a parking brake

A desire for success **actuated** her.

blanket

n. a large piece of soft material used to cover or wrap a person or thing to keep them warm; (adjective) broad in scope or content

synonym: cover, coverlet, bedspread

(1) **blanket** authority, (2) **blanket** scarf

The electric **blanket** keeps me warm on cold nights.

electronics

n. the branch of physics and technology that deals with the behavior and control of electrons and the use of electronic devices and systems

synonym: technology, gadgets, circuitry

(1) **electronics** industry, (2) **electronics** store

The company specializes in manufacturing and selling cutting-edge **electronics**.

mention

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

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

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

crust

n. a hard outer layer that forms on the surface of a liquid as it cools or on a solid as a result of exposure to air or moisture

synonym: layer, coating, shell

(1) **crust** formation, (2) the earth's **crust**

The bread's **crust** was golden brown and crispy.

consumption

n. the amount used or eaten; the act of using up a resource such as energy, food, or materials

synonym: usage, uptake, utilization

(1) average fuel **consumption**, (2) the **consumption** of food

In our country, water **consumption** usually decreases during the winter.

emission

n. the act of production or sending out gas, heat, light, etc.

synonym: emanation, radiation, discharge

(1) global **emissions** of greenhouse gases, (2) the **emission** of light

There are five distinct **emissions** at five unique wavelengths.

exhibition

n. a public event or display of works of art, scientific or industrial objects, or other items of interest, usually held in a museum or art gallery

synonym: display, show, presentation

(1) a personal **exhibition**, (2) **exhibition** opening

The art museum is hosting an **exhibition** of contemporary paintings next month.

environment

n. the natural world such as air, water, and land in which humans, animals, and plants live

synonym : atmosphere, surroundings, climate

(1) **environment** affairs, (2) chaotic **environment**

Every human is responsible for taking care of the Earth's **environment**.

atom

n. the smallest unit of ordinary matter that forms a chemical element, composed of a nucleus and one or more electrons bound to the nucleus

synonym : particle, element, fraction

(1) oxygen **atom**, (2) neutral hydrogen **atoms**

The outermost electron shell of an **atom** determines its chemical characteristics.

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.

sculpt

v. to create a work of art by carving, casting, or other shaping techniques

synonym : carve, mold, shape

(1) **sculpt** an image, (2) **sculpt** prototype

He spent hours every day **sculpting** figures out of clay.

chip

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

synonym : flake, fragment, chunk

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

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

underneath

adv. under or below something else

synonym : below, under, beneath

(1) **underneath** the surface of the water, (2) **underneath**

the laughter

The penny fell **underneath** the piano.

parliament

n. a legislative body, especially the one that represents the people of a country or state

synonym : congress, assembly, legislature

(1) disband **parliament**, (2) event of a hung **parliament**

He was a member of **parliament**.

deploy

v. to move troops or weapons into a position or military action; to bring into something in an effective way

synonym : set up, expand, launch

(1) **deploy** troops for battle, (2) **deploy** safety measures

This country **deployed** its weapons in the east region.

cell-phone

n. a portable electronic device used for making and receiving phone calls, sending text messages, and accessing the internet wirelessly

synonym : mobile, smartphone

(1) **cell-phone** signal, (2) **cell-phone** battery

I left my **cell-phone** at home, and now I feel lost.

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.

aggregate

n. a collection or sum of different things often used to describe a total or combination of items

synonym : total, sum, whole

(1) data **aggregate**, (2) an **aggregate** of people

The **aggregate** amount of money raised for the charity was over a million dollars.

head-butting

n. the act of forcefully striking someone or something with the head, typically done as a sign of aggression or dominance

(1) **head-butting** contest, (2) playful **head-butting**
During the match, the soccer player was penalized for deliberate **head-butting**.

colosseum

n. (also "coliseum") a large amphitheater (= an open-air venue used for entertainment, performances, and sports) in Rome whose construction was begun by Vespasian about AD 75 or 80

(1) build a **colosseum** for gladiators, (2) **Colosseum** area
Rome's **Colosseum** gets busy in peak season.

timeline

n. a series of events arranged in chronological order and displayed along a line, usually drawn left to right or top to bottom

synonym : agenda, timetable, chronology

(1) **timeline** of science history, (2) lay out a **timeline**
He imposed a **timeline** on the project.

silent

adj. without any or little sound

synonym : quiet, hushed, mute

(1) **silent** reading, (2) give **silent** consent

The politician remained **silent** despite intense media scrutiny.

norm

n. something that is regarded as usual, typical, or standard

synonym : criterion, mean, standard

(1) **norm** of action, (2) cultural **norm**

The systems we have developed has accepted as industry **norms**.

overtime

n. time worked beyond the regular or agreed-upon hours of work, often resulting in additional pay or compensation for the employee

synonym : overtime pay, time and a half, extra pay

(1) **overtime** hours, (2) **overtime** work

The company's policy on **overtime** states that employees will be compensated for any additional hours worked.

celebrate

v. to acknowledge a memorable or good day or event with a social gathering or enjoyable activity

synonym : praise, glorify, honor

(1) **celebrate** his election, (2) **celebrate** Christmas

He **celebrated** the 10th anniversary of his tenure.

peak

n. the point to which something or someone is at its strongest, best, or most successful; the pointed top of a mountain

synonym : summit, vertex, apex

(1) at **peak** hour, (2) the **peak** current in the circuit

This measurement aims to reduce traffic at **peak** periods.

prime

adj. main or most important; basic; (prime number, noun) a natural number greater than 1 that cannot be formed by multiplying two smaller natural numbers (e.g., 2, 3, 5, 7, 11 and 13)

synonym : excellent, exceptional, premium

(1) **prime** number, (2) deputy **prime** minister

After a thorough investigation, she has been named as the **prime** suspect.

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.

develop

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

synonym : evolve, progress, advance

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

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

trash

n. discarded material, refuse, or waste

synonym: garbage, waste, refuse

(1) **trash** bin, (2) **trash** disposal site

The city is taking measures to reduce the amount of **trash** in the streets.

volunteer

n. a person who performs or offers to perform a job or service without being paid for or forced to do

synonym: unpaid worker, draftee, enlistee

(1) seek **volunteers**, (2) my **volunteer** work

The teachers make full use of **volunteer** assistance.

obtain

v. to get something, especially by making a great effort

synonym: accept, acquire, receive

(1) **obtain** a license, (2) **obtain** a bid

Where can I **obtain** the application form?

inefficiency

n. the lack of ability or effectiveness in producing the desired results or outcomes; the quality of being wasteful or unproductive

synonym: ineffectiveness, inefficacy, inadequacy

(1) **inefficiency** in the system, (2) bureaucratic **inefficiency**

The company's **inefficiency** in handling customer requests led to many complaints.

transport

n. a system for moving people or products from one location to another using automobiles, roads, and so on

synonym: shipment, transit, conveyance

(1) **transport** facilities, (2) access to public **transport**

Enhanced rail **transportation** is crucial for our business.

convoluted

adj. extraordinarily complicated and hard to understand

synonym: intricate, complex, bending

(1) **convoluted** plot, (2) **convoluted** legal language

James Joyce's books are full of long, **convoluted** sentences.

disappear

v. to cease to exist or be visible

synonym : fade, evaporate, vanish

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

planet

n. any of the nine large celestial bodies that circle in the solar system; any celestial body that revolves around a star

synonym : earth, world, globe

(1) **planet** like the Earth, (2) save the **planet**
Mercury is the closest **planet** to the sun.

promote

v. to encourage or persuade people to like, buy, use, do, or support something; to raise someone to a higher position or rank

synonym : boost, raise, advertise

(1) **promote** a better relationship, (2) **promote** bad behavior
The government should do more to **promote** sustainable agribusiness.

colleague

n. one of a group of a coworker, especially in a profession or a business

synonym : coworker, associate, fellow

(1) collaborate with **colleagues**, (2) former **colleague**
I decided to seek counseling on the advice of my **colleague**.

discuss

v. to talk about or examine in detail through conversation or debate; to exchange ideas, opinions, or information on a particular topic

synonym : talk about, converse, debate

(1) **discuss** options, (2) **discuss** solutions
We need to **discuss** the next steps for the project during our meeting tomorrow.

tradition

n. a belief, custom, or way of doing something that has been passed down from generation to generation within a group or society

synonym : custom, practice, ritual

(1) a **tradition** of a culture, (2) against **tradition**

It is a **tradition** in many families to have a big Thanksgiving dinner with all their relatives.

architecture

n. the art and science of designing and constructing buildings

synonym : design, structure, layout

(1) **architecture** design, (2) classic **architecture**

The city is known for its impressive **architecture** and beautiful old buildings.

workshop

n. a place where people work, especially one where they do manual or practical work; a brief intensive course for a small group

synonym : studio, laboratory, atelier

(1) **workshop** attendee, (2) carpentry **workshop**

The artist held a **workshop** to teach students how to paint with watercolors.

valve

n. a device for controlling the flow of a fluid or gas through a pipe or duct by means of a movable part that opens, closes, or restricts the opening

synonym : tap, spigot, faucet

(1) electromagnetic **valve**, (2) **valve** control

The **valve** on the pipeline was leaking, so maintenance had to shut it off to make repairs.

solenoid

n. a coil of wire wound around a cylindrical core, typically made of ferromagnetic material, that creates a magnetic field when an electric current is passed through it, commonly used in various electrical devices, such as valves, relays, and electric locks

synonym : coil, electromagnet, inductor

(1) linear **solenoid**, (2) electromagnetic **solenoid**

The **solenoid** valve controls the flow of water in the irrigation system.

- 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.
- mayor**
- n.* an elected official who presides over a city or town government
- synonym* : governor, leader, chief executive
- (1) a deputy **mayor**, (2) **mayor's** race
- The incumbent **mayor** announced his plans to address the city's homelessness crisis.
- commission**
- n.* a formal instruction, command, or request given to a person or group; an official group of people entrusted by a government or other official body to control or enforce something
- synonym* : task, duty, authority
- (1) **commission** appointed by the government, (2) the **commission** of murder
- She gets a **commission** on each contract.
- exposition**
- n.* a comprehensive description and explanation of an idea or theory; a collection of things, such as goods or works of art, etc., for public display
- synonym* : explanation, description, account
- (1) an international **exposition**, (2) rational **exposition**
- The **exposition** in the novel provides background information on the characters and setting.
- 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.

pavilion

n. a large, often ornate tent or booth, often used for entertainment or public events; a building or structure, often in a park or other public space, used for meetings, exhibitions, or social gatherings

synonym : gazebo, kiosk, pagoda

(1) garden **pavilion**, (2) beach **pavilion**

The outdoor wedding reception was held in a beautiful **pavilion** overlooking the lake.

minimize

v. to make something, especially something bad, small or less serious

synonym : diminish, mitigate, belittle

(1) **minimize** a loss, (2) way to **minimize** conflict

I bought a gadget before my trip to help **minimize** stress during the flight.

splash

v. to cause liquid to scatter in irregular drops, especially with force

synonym : scatter, dash, gurgle

(1) **splash** water, (2) **splash** everywhere

The mountain was **splashed** with snow.

demolish

v. to completely destroy or tear down a building, structure, or other entity; to ruin or eliminate the effectiveness or power of something

synonym : destroy, wreck, level

(1) **demolish** a myth, (2) **demolish** a bridge

The city decided to **demolish** the old, unsafe building and build a new one.

puzzled

adj. confused or uncertain because you do not understand something

synonym : confused, perplexed, bewildered

(1) **puzzled** expression, (2) **puzzled** by the question

She was **puzzled** by the strange behavior of her cat.

engaging

adj. attracting, pleasant, or charming

synonym : alluring, interesting, engrossing

(1) **engaging** story, (2) an **engaging** smile

She was disbarred for her **engaging** in fraud.

architect

n. a person whose job is to design plans to be used in making something, such as buildings

synonym : creator, designer, planner

(1) landscape **architect**, (2) **architect** of the peace accord

The building **architect** tried to build the house above the tree.

unpredictable

adj. not capable of being foreseen or calculated; not regular or certain

synonym : uncertain, variable, random

(1) dangerously **unpredictable** person, (2) **unpredictable** outcome

The weather in this region is often **unpredictable**, with sudden rainstorms and strong winds.

interact

v. to communicate or react with somebody

synonym : cooperate, combine, collaborate

(1) **interact** directly with customers, (2) **interact** with one another

He should **interact** more with his colleagues.

helicopter

n. a type of aircraft that is capable of hovering in place and moving vertically, as well as flying horizontally; often used for emergency medical services, military operations, and transport in areas with limited access

synonym : chopper, copter, whirlybird

(1) **helicopter** ride, (2) police **helicopter**

The company's CEO arrived at the meeting via **helicopter** to avoid traffic congestion

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**.

flexible

adj. able to change or be changed to suit new conditions or situations; able to bend easily

synonym: adaptable, elastic, pliable

(1) **flexible** schedules, (2) a **flexible** wire

You can be more **flexible** and creative in your approach.

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.

configuration

n. the arrangement or pattern of something or a group of related things

synonym: arrangement, composition, formatting

(1) **configuration** of the system, (2) engine **configuration**

The **configuration** of molecules in steel changes significantly with temperature.

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.

resolution

n. a firm decision or determination to do or not do something; the action of solving a problem, dispute, or conflict; the quality of being resolved or determined; the clarity and sharpness of an image or display

synonym: determination, decision, settlement

(1) **resolution** of a conflict, (2) display **resolution**

He made a New Year's **resolution** to exercise more and eat healthier.

grid *n.* a pattern of regularly spaced horizontal and vertical lines; a system of high tension cables by which electrical power is distributed throughout a region
synonym : gridiron, battery grid, power system
(1) a **grid** design, (2) a wire **grid**
Grid pattern roads often appear in urban areas.

movement *n.* a group of people working together to achieve a shared goal, especially a political, social, or artistic one; the process of moving or being moved, physically or figuratively
synonym : motion, progression, action
(1) a circular **movement**, (2) **movement** of troops
The **movement** of the dancers on stage was graceful and elegant.

ballet *n.* a type of performance dance that tells a dramatic story or expresses an idea with music but no talking or singing
(1) a **ballet** enthusiast, (2) **ballet** lessons
She is a leading female classical **ballet** dancer

metropolitan *adj.* of or relating to a large city or a city that is considered to be the cultural or economic center of a region or country
synonym : urban, city, municipal
(1) major **metropolitan** area, (2) **metropolitan** city
The city is a true **metropolitan**, with a diverse population and bustling streets.

capture *v.* to catch a person or an animal and confine them in an area which they cannot escape
synonym : catch, arrest, imprison
(1) **capture** a glimpse, (2) **capture** customers' hearts
I was able to **capture** the moment on film.

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.

reconstruct

v. to build or form something again that has been damaged or destroyed

synonym: rebuild, revamp, reorganize

(1) **reconstruct** an image, (2) **reconstruct** the original text
They've decided to **reconstruct** a ruined castle.

gravity

n. the force that attracts a body towards the center of the earth or towards any other physical body having mass; a manner that is solemn

synonym: heaviness, attraction, weight

(1) the attraction of **gravity**, (2) preserve my **gravity**

The astronaut felt weightless in space due to the absence of **gravity**.

rotation

n. the action or process of moving in a circle around an axis or center

synonym: revolution, spin, turning

(1) job **rotation**, (2) a period of **rotation**

The **rotation** of the Earth causes day and night.

olympiad

n. a period of four years, originally the time between the ancient Olympic Games and now commonly used to refer to the modern Olympic Games, which are held every four years

(1) the modern **olympiad**, (2) summer **olympiad**

She won a gold medal in the physics **olympiad** and was praised by her teachers and peers.

involve

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

synonym: implicate, include, engage

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

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

impart

v. to expose or inform; to provide a portion of
synonym: pass on, give, bestow

(1) **impart** a secret, (2) **impart** basic knowledge

She had knowledge she couldn't wait to **impart**.

barn

n. a large farm building used for storage of crops or housing livestock

synonym: shed, outbuilding, granary

(1) **barn** building, (2) a **barn** for cows

The old **barn** on the farm was used to store hay and other equipment.

donation

n. a voluntary gift of money, service, or ideas that are given to a person or an organization, or the act of giving them

synonym: contribution, gift, subsidy

(1) make a **donation**, (2) political **donation**

He made a generous **donation** to the charity.

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.

digit

n. one of the elements that collectively form a system of numeration; a finger, thumb, or toe

synonym: number, integer, numeral

(1) **digit** identifier, (2) the **digit** in the hundreds place

We must enter a six- **digit** number to unlock the safe.

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.

tackle

v. to try to deal with a complex problem or situation

synonym: deal with, dive into, work on

(1) **tackle** the issue, (2) help **tackle** climate change

The government is determined to **tackle** sharp inflation.

climate

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

synonym: atmosphere, weather, environment

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

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

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.

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.

communal

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

synonym: collaborative, combined, collective

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

of funds

Communal elections were held in several European countries.

beacon

n. a light or other visible object serving as a signal, guide, or warning

synonym: lighthouse, guidepost, marker

(1) an aerial **beacon**, (2) **beacon** of hope

The lighthouse served as a **beacon** to guide ships safely into port.

Session 2: Spelling

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|-------------------------------|----|--|
| 1. di____y merchandise | v. | to exhibit or show something to others, often to attract attention or demonstrate its features, properties, or value |
| 2. sp____h everywhere | v. | to cause liquid to scatter in irregular drops, especially with force |
| 3. classic arc_____ure | n. | the art and science of designing and constructing buildings |
| 4. 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. |
| 5. pr_____e bad behavior | v. | to encourage or persuade people to like, buy, use, do, or support something; to raise someone to a higher position or rank |
| 6. mi_____ze a loss | v. | to make something, especially something bad, small or less serious |
| 7. mo_____nt of troops | n. | a group of people working together to achieve a shared goal, especially a political, social, or artistic one; the process of moving or being moved, physically or figuratively |
| 8. bl_____t authority | n. | a large piece of soft material used to cover or wrap a person or thing to keep them warm; (adjective) broad in scope or content |
| 9. effects of cl_____e change | n. | the weather in a particular location averaged over some long period |

ANSWERS: 1. display, 2. splash, 3. architecture, 4. tap, 5. promote, 6. minimize, 7. movement, 8. blanket, 9. climate

- | | |
|------------------------------|---|
| 10. a period of ro_____on | <i>n.</i> the action or process of moving in a circle around an axis or center |
| 11. pa_____le energy | <i>n.</i> a small piece of something; a word or piece of a term with grammatical function but little or no significance |
| 12. sc_____t prototype | <i>v.</i> to create a work of art by carving, casting, or other shaping techniques |
| 13. an aerial be_____n | <i>n.</i> a light or other visible object serving as a signal, guide, or warning |
| 14. landscape ar_____ct | <i>n.</i> a person whose job is to design plans to be used in making something, such as buildings |
| 15. carpentry wo_____op | <i>n.</i> a place where people work, especially one where they do manual or practical work; a brief intensive course for a small group |
| 16. playful hea_____ing | <i>n.</i> the act of forcefully striking someone or something with the head, typically done as a sign of aggression or dominance |
| 17. summer ol_____ad | <i>n.</i> a period of four years, originally the time between the ancient Olympic Games and now commonly used to refer to the modern Olympic Games, which are held every four years |
| 18. de_____y safety measures | <i>v.</i> to move troops or weapons into a position or military action; to bring into something in an effective way |
| 19. structural fo_____a | <i>n.</i> a group of symbols, letters, or numbers that represent a rule, law, or mathematical statement |

ANSWERS: 10. rotation, 11. particle, 12. sculpt, 13. beacon, 14. architect, 15. workshop, 16. head-butting, 17. olympiad, 18. deploy, 19. formula

20. b__n building *n.* a large farm building used for storage of crops or housing livestock
21. 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
22. 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
23. im____t a secret *v.* to expose or inform; to provide a portion of
24. the modern ol_____ad *n.* a period of four years, originally the time between the ancient Olympic Games and now commonly used to refer to the modern Olympic Games, which are held every four years
25. a b__n for cows *n.* a large farm building used for storage of crops or housing livestock
26. con_____ed plot *adj.* extraordinarily complicated and hard to understand
27. cr__t formation *n.* a hard outer layer that forms on the surface of a liquid as it cools or on a solid as a result of exposure to air or moisture
28. pu_____d by the question *adj.* confused or uncertain because you do not understand something
29. a wire g__d *n.* a pattern of regularly spaced horizontal and vertical lines; a system of high tension cables by which electrical power is distributed throughout a region

ANSWERS: 20. barn, 21. decision, 22. structure, 23. impart, 24. olympiad, 25. barn, 26. convoluted, 27. crust, 28. puzzled, 29. grid

30. global em_____ons of greenhouse gases *n.* the act of production or sending out gas, heat, light, etc.
31. Co_____um area *n.* (also "coliseum") a large amphitheater (= an open-air venue used for entertainment, performances, and sports) in Rome whose construction was begun by Vespasian about AD 75 or 80
32. the crosswise di_____on *n.* a measurable extent of a particular kind, such as width, height, or length
33. way to mi_____ze conflict *v.* to make something, especially something bad, small or less serious
34. con_____ion of the system *n.* the arrangement or pattern of something or a group of related things
35. ce_____te Christmas *v.* to acknowledge a memorable or good day or event with a social gathering or enjoyable activity
36. tr__h disposal site *n.* discarded material, refuse, or waste
37. the earth's cr__t *n.* a hard outer layer that forms on the surface of a liquid as it cools or on a solid as a result of exposure to air or moisture
38. sc____t an image *v.* to create a work of art by carving, casting, or other shaping techniques
39. give si____t consent *adj.* without any or little sound
40. preserve my gr_____y *n.* the force that attracts a body towards the center of the earth or towards any other physical body having mass; a manner that is solemn

ANSWERS: 30. emission, 31. colosseum, 32. dimension, 33. minimize, 34. configuration, 35. celebrate, 36. trash, 37. crust, 38. sculpt, 39. silent, 40. gravity

41. cultural n__m *n.* something that is regarded as usual, typical, or standard
42. ac____e the circuits *v.* to cause a machine or equipment to start to work
43. hel_____er ride *n.* a type of aircraft that is capable of hovering in place and moving vertically, as well as flying horizontally; often used for emergency medical services, military operations, and transport in areas with limited access
44. va__e control *n.* a device for controlling the flow of a fluid or gas through a pipe or duct by means of a movable part that opens, closes, or restricts the opening
45. a personal exh_____on *n.* a public event or display of works of art, scientific or industrial objects, or other items of interest, usually held in a museum or art gallery
46. 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
47. chaotic env_____nt *n.* the natural world such as air, water, and land in which humans, animals, and plants live
48. cel_____ne signal *n.* a portable electronic device used for making and receiving phone calls, sending text messages, and accessing the internet wirelessly

ANSWERS: 41. norm, 42. actuate, 43. helicopter, 44. valve, 45. exhibition, 46. digital, 47. environment, 48. cell-phone

49. pr_____e a better relationship *v.* to encourage or persuade people to like, buy, use, do, or support something; to raise someone to a higher position or rank
50. be____n of hope *n.* a light or other visible object serving as a signal, guide, or warning
51. cel_____ne battery *n.* a portable electronic device used for making and receiving phone calls, sending text messages, and accessing the internet wirelessly
52. beach pa_____on *n.* a large, often ornate tent or booth, often used for entertainment or public events; a building or structure, often in a park or other public space, used for meetings, exhibitions, or social gatherings
53. key co_____nt *n.* one of several parts that combines with others to form something bigger
54. in_____ct with one another *v.* to communicate or react with somebody
55. ca_____e a glimpse *v.* to catch a person or an animal and confine them in an area which they cannot escape
56. data ag_____te *n.* a collection or sum of different things often used to describe a total or combination of items
57. an_____us house *adj.* having no known name, identity, or known source
58. in_____e a lot of paperwork *v.* to include or affect someone or something as a necessary part of something else

ANSWERS: 49. promote, 50. beacon, 51. cell-phone, 52. pavilion, 53. component, 54. interact, 55. capture, 56. aggregate, 57. anonymous, 58. involve

59. against tr_____on *n.* a belief, custom, or way of doing something that has been passed down from generation to generation within a group or society
60. at p__k hour *n.* the point to which something or someone is at its strongest, best, or most successful; the pointed top of a mountain
61. linear so_____id *n.* a coil of wire wound around a cylindrical core, typically made of ferromagnetic material, that creates a magnetic field when an electric current is passed through it, commonly used in various electrical devices, such as valves, relays, and electric locks
62. sy___l color *n.* something visible that is used to represent something else
63. access to public tr_____rt *n.* a system for moving people or products from one location to another using automobiles, roads, and so on
64. ba___t lessons *n.* a type of performance dance that tells a dramatic story or expresses an idea with music but no talking or singing
65. de_____p a skill *v.* to grow or expand; to improve or refine through a process of progress and refinement, often to achieve greater sophistication or complexity; to elaborate or add detail to something that is in the process of being created
66. ce_____te his election *v.* to acknowledge a memorable or good day or event with a social gathering or enjoyable activity

ANSWERS: 59. tradition, 60. peak, 61. solenoid, 62. symbol, 63. transport, 64. ballet, 65. develop, 66. celebrate

67. an_____us letter *adj.* having no known name, identity, or known source
68. a cold cl_____e *n.* the weather in a particular location averaged over some long period
69. make a do_____on *n.* a voluntary gift of money, service, or ideas that are given to a person or an organization, or the act of giving them
70. pr__e number *adj.* main or most important; basic; (prime number, noun) a natural number greater than 1 that cannot be formed by multiplying two smaller natural numbers (e.g., 2, 3, 5, 7, 11 and 13)
71. ac_____e a parking brake *v.* to cause a machine or equipment to start to work
72. rational exp_____on *n.* a comprehensive description and explanation of an idea or theory; a collection of things, such as goods or works of art, etc., for public display
73. arc_____ure design *n.* the art and science of designing and constructing buildings
74. co_____al swimming pool *adj.* belonging to or used by a group rather than individuals; for common use
75. 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
76. exh_____on opening *n.* a public event or display of works of art, scientific or industrial objects, or other items of interest, usually held in a museum or art gallery

ANSWERS: 67. anonymous, 68. climate, 69. donation, 70. prime, 71. actuate, 72. exposition, 73. architecture, 74. communal, 75. digital, 76. exhibition

77. me_____n name *v.* to speak or write about something or someone briefly
78. average fuel con_____on *n.* the amount used or eaten; the act of using up a resource such as energy, food, or materials
79. a ba____t enthusiast *n.* a type of performance dance that tells a dramatic story or expresses an idea with music but no talking or singing
80. com_____on appointed by the government *n.* a formal instruction, command, or request given to a person or group; an official group of people entrusted by a government or other official body to control or enforce something
81. b_t my future *v.* to risk money on the result of an event or a competition, such as a race or game, to get more money; to have faith or confidence in something
82. disband par_____nt *n.* a legislative body, especially the one that represents the people of a country or state
83. di__t identifier *n.* one of the elements that collectively form a system of numeration; a finger, thumb, or toe
84. dangerously unp_____ble person *adj.* not capable of being foreseen or calculated; not regular or certain
85. ca_____e customers' hearts *v.* to catch a person or an animal and confine them in an area which they cannot escape
86. co_____e electricity *v.* to spend something, especially fuel, energy, or time, in a large amount

ANSWERS: 77. mention, 78. consumption, 79. ballet, 80. commission, 81. bet, 82. parliament, 83. digit, 84. unpredictable, 85. capture, 86. consume

87. tr_____it the disease *v.* to send or forward an electronic signal; to pass something from one person or thing to another
88. tr_____it information *v.* to send or forward an electronic signal; to pass something from one person or thing to another
89. 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
90. an ag_____te of people *n.* a collection or sum of different things often used to describe a total or combination of items
91. an international exp_____on *n.* a comprehensive description and explanation of an idea or theory; a collection of things, such as goods or works of art, etc., for public display
92. ele_____cs store *n.* the branch of physics and technology that deals with the behavior and control of electrons and the use of electronic devices and systems
93. display res_____on *n.* a firm decision or determination to do or not do something; the action of solving a problem, dispute, or conflict; the quality of being resolved or determined; the clarity and sharpness of an image or display
94. lay out a ti_____ne *n.* a series of events arranged in chronological order and displayed along a line, usually drawn left to right or top to bottom

ANSWERS: 87. transmit, 88. transmit, 89. structure, 90. aggregate, 91. exposition, 92. electronics, 93. resolution, 94. timeline

95. the di__t in the hundreds place *n.* one of the elements that collectively form a system of numeration; a finger, thumb, or toe
96. ta___e the issue *v.* to try to deal with a complex problem or situation
97. the con_____on of food *n.* the amount used or eaten; the act of using up a resource such as energy, food, or materials
98. di_____ar without a trace *v.* to cease to exist or be visible
99. bureaucratic ine_____ncy *n.* the lack of ability or effectiveness in producing the desired results or outcomes; the quality of being wasteful or unproductive
100. de_____sh a myth *v.* to completely destroy or tear down a building, structure, or other entity; to ruin or eliminate the effectiveness or power of something
101. int_____on among human beings *n.* the act of connecting with someone, mainly when working, playing, or spending time with them
102. a c__p of wood *n.* a small fragment of something broken off from the whole; a long and thin piece of potato fried in oil or fat
103. pu_____d expression *adj.* confused or uncertain because you do not understand something
104. mo_____r the data carefully *v.* to observe, check, and track the progress or quality of something over a period of time
105. a binomial fo_____a *n.* a group of symbols, letters, or numbers that represent a rule, law, or mathematical statement

ANSWERS: 95. digit, 96. tackle, 97. consumption, 98. disappear, 99. inefficiency, 100. demolish, 101. interaction, 102. chip, 103. puzzled, 104. monitor, 105. formula

106. ob___n a license *v.* to get something, especially by making a great effort
107. electromagnetic va__e *n.* a device for controlling the flow of a fluid or gas through a pipe or duct by means of a movable part that opens, closes, or restricts the opening
108. sp___h water *v.* to cause liquid to scatter in irregular drops, especially with force
109. pl___t like the Earth *n.* any of the nine large celestial bodies that circle in the solar system; any celestial body that revolves around a star
110. rec_____ct an image *v.* to build or form something again that has been damaged or destroyed
111. ob___n a bid *v.* to get something, especially by making a great effort
112. s__n the face of the man *v.* to examine something hastily, with the eyes or with a machine, to get information
113. ele_____cs industry *n.* the branch of physics and technology that deals with the behavior and control of electrons and the use of electronic devices and systems
114. tr__h bin *n.* discarded material, refuse, or waste
115. neutral hydrogen a__ms *n.* the smallest unit of ordinary matter that forms a chemical element, composed of a nucleus and one or more electrons bound to the nucleus
116. ar_____ct of the peace accord *n.* a person whose job is to design plans to be used in making something, such as buildings

ANSWERS: 106. obtain, 107. valve, 108. splash, 109. planet, 110. reconstruct, 111. obtain, 112. scan, 113. electronics, 114. trash, 115. atom, 116. architect

117. a fl____le wire *adj.* able to change or be changed to suit new conditions or situations; able to bend easily
118. tr____rt facilities *n.* a system for moving people or products from one location to another using automobiles, roads, and so on
119. wo____op attendee *n.* a place where people work, especially one where they do manual or practical work; a brief intensive course for a small group
120. a civil en____er *n.* a person whose job is designing, building, or maintaining something such as machines, structures, or software
121. met____tan city *adj.* of or relating to a large city or a city that is considered to be the cultural or economic center of a region or country
122. job ro____on *n.* the action or process of moving in a circle around an axis or center
123. si____t reading *adj.* without any or little sound
124. sy____l for happiness *n.* something visible that is used to represent something else
125. ine____ncy in the system *n.* the lack of ability or effectiveness in producing the desired results or outcomes; the quality of being wasteful or unproductive
126. de____on authority *n.* the act or process of making up someone's mind about something; a choice or judgment reached after considering options

ANSWERS: 117. flexible, 118. transport, 119. workshop, 120. engineer, 121. metropolitan, 122. rotation, 123. silent, 124. symbol, 125. inefficiency, 126. decision

127. or___n of information *n.* the first existence or beginning of something
128. en_____ng story *adj.* attracting, pleasant, or charming
129. pr_____s improvement *n.* a series of actions or operations performed to achieve a particular outcome or goal; a systematic procedure or approach used to accomplish a specific task or objective; a method of treating milk to make it suitable for consumption or use in other dairy products
130. the em_____on of light *n.* the act of production or sending out gas, heat, light, etc.
131. spare co_____nts for cars *n.* one of several parts that combines with others to form something bigger
132. a g__d design *n.* a pattern of regularly spaced horizontal and vertical lines; a system of high tension cables by which electrical power is distributed throughout a region
133. unp_____ble outcome *adj.* not capable of being foreseen or calculated; not regular or certain
134. ov_____me hours *n.* time worked beyond the regular or agreed-upon hours of work, often resulting in additional pay or compensation for the employee
135. me_____n in a report *v.* to speak or write about something or someone briefly
136. n__m of action *n.* something that is regarded as usual, typical, or standard

ANSWERS: 127. origin, 128. engaging, 129. process, 130. emission, 131. component, 132. grid, 133. unpredictable, 134. overtime, 135. mention, 136. norm

137. fl____le schedules *adj.* able to change or be changed to suit new conditions or situations; able to bend easily
138. di____y artwork *v.* to exhibit or show something to others, often to attract attention or demonstrate its features, properties, or value
139. und____th the laughter *adv.* under or below something else
140. oxygen a__m *n.* the smallest unit of ordinary matter that forms a chemical element, composed of a nucleus and one or more electrons bound to the nucleus
141. a tr____on of a culture *n.* a belief, custom, or way of doing something that has been passed down from generation to generation within a group or society
142. the com____on of murder *n.* a formal instruction, command, or request given to a person or group; an official group of people entrusted by a government or other official body to control or enforce something
143. mo____r an exam *v.* to observe, check, and track the progress or quality of something over a period of time
144. rem____le achievement *adj.* worthy of attention because unusual or special
145. major met____tan area *adj.* of or relating to a large city or a city that is considered to be the cultural or economic center of a region or country
146. bl____t scarf *n.* a large piece of soft material used to cover or wrap a person or thing to keep them warm; (adjective) broad in scope or content

ANSWERS: 137. flexible, 138. display, 139. underneath, 140. atom, 141. tradition, 142. commission, 143. monitor, 144. remarkable, 145. metropolitan, 146. blanket

147. ma__r's race *n.* an elected official who presides over a city or town government
148. syn_____ze our watches *v.* to happen or cause to happen at the same time or rate
149. political do_____on *n.* a voluntary gift of money, service, or ideas that are given to a person or an organization, or the act of giving them
150. deputy pr__e minister *adj.* main or most important; basic; (prime number, noun) a natural number greater than 1 that cannot be formed by multiplying two smaller natural numbers (e.g., 2, 3, 5, 7, 11 and 13)
151. a circular mo_____nt *n.* a group of people working together to achieve a shared goal, especially a political, social, or artistic one; the process of moving or being moved, physically or figuratively
152. und_____th the surface of the water *adv.* under or below something else
153. en_____er shortage *n.* a person whose job is designing, building, or maintaining something such as machines, structures, or software
154. di_____ar after a week *v.* to cease to exist or be visible
155. an en_____ng smile *adj.* attracting, pleasant, or charming
156. seek vo_____ers *n.* a person who performs or offers to perform a job or service without being paid for or forced to do
157. s__n a document into PDF *v.* to examine something hastily, with the eyes or with a machine, to get information

ANSWERS: 147. mayor, 148. synchronize, 149. donation, 150. prime, 151. movement, 152. underneath, 153. engineer, 154. disappear, 155. engaging, 156. volunteer, 157. scan

158. the int_____on between man and his environment *n.* the act of connecting with someone, mainly when working, playing, or spending time with them
159. pi__l density *n.* the smallest unit of an image that can be displayed or manipulated electronically, typically a point of light on a computer screen or in a digital image
160. racial or___n *n.* the first existence or beginning of something
161. garden pa_____on *n.* a large, often ornate tent or booth, often used for entertainment or public events; a building or structure, often in a park or other public space, used for meetings, exhibitions, or social gatherings
162. my vo_____er work *n.* a person who performs or offers to perform a job or service without being paid for or forced to do
163. co_____al combination of funds *adj.* belonging to or used by a group rather than individuals; for common use
164. rec_____ct the original text *v.* to build or form something again that has been damaged or destroyed
165. I don't care a c__p *n.* a small fragment of something broken off from the whole; a long and thin piece of potato fried in oil or fat
166. b_t on a race *v.* to risk money on the result of an event or a competition, such as a race or game, to get more money; to have faith or confidence in something
167. co_____e a large of alcohol *v.* to spend something, especially fuel, energy, or time, in a large amount

ANSWERS: 158. interaction, 159. pixel, 160. origin, 161. pavilion, 162. volunteer, 163. communal, 164. reconstruct, 165. chip, 166. bet, 167. consume

168. new di_____on *n.* a measurable extent of a particular kind, such as width, height, or length
169. a deputy ma__r *n.* an elected official who presides over a city or town government
170. police hel_____er *n.* a type of aircraft that is capable of hovering in place and moving vertically, as well as flying horizontally; often used for emergency medical services, military operations, and transport in areas with limited access
171. build a co_____um for gladiators *n.* (also "coliseum") a large amphitheater (= an open-air venue used for entertainment, performances, and sports) in Rome whose construction was begun by Vespasian about AD 75 or 80
172. im___t basic knowledge *v.* to expose or inform; to provide a portion of
173. di_____s solutions *v.* to talk about or examine in detail through conversation or debate; to exchange ideas, opinions, or information on a particular topic
174. l_b instrument *n.* a workplace for the conduct of scientific research; a laboratory
175. electromagnetic so_____id *n.* a coil of wire wound around a cylindrical core, typically made of ferromagnetic material, that creates a magnetic field when an electric current is passed through it, commonly used in various electrical devices, such as valves, relays, and electric locks

ANSWERS: 168. dimension, 169. mayor, 170. helicopter, 171. colosseum, 172. impart, 173. discuss, 174. lab, 175. solenoid

176. former co_____ue *n.* one of a group of a coworker, especially in a profession or a business
177. 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.
178. the p__k current in the circuit *n.* the point to which something or someone is at its strongest, best, or most successful; the pointed top of a mountain
179. the rem_____le breadth of knowledge *adj.* worthy of attention because unusual or special
180. charged pa_____le *n.* a small piece of something; a word or piece of a term with grammatical function but little or no significance
181. de_____sh a bridge *v.* to completely destroy or tear down a building, structure, or other entity; to ruin or eliminate the effectiveness or power of something
182. de___y troops for battle *v.* to move troops or weapons into a position or military action; to bring into something in an effective way
183. di_____s options *v.* to talk about or examine in detail through conversation or debate; to exchange ideas, opinions, or information on a particular topic
184. the attraction of gr_____y *n.* the force that attracts a body towards the center of the earth or towards any other physical body having mass; a manner that is solemn

ANSWERS: 176. colleague, 177. tap, 178. peak, 179. remarkable, 180. particle, 181. demolish, 182. deploy, 183. discuss, 184. gravity

185. decision-making pr_____s *n.* a series of actions or operations performed to achieve a particular outcome or goal; a systematic procedure or approach used to accomplish a specific task or objective; a method of treating milk to make it suitable for consumption or use in other dairy products
186. event of a hung par_____nt *n.* a legislative body, especially the one that represents the people of a country or state
187. engine con_____ion *n.* the arrangement or pattern of something or a group of related things
188. env_____nt affairs *n.* the natural world such as air, water, and land in which humans, animals, and plants live
189. syn_____ze movements *v.* to happen or cause to happen at the same time or rate
190. in_____ct directly with customers *v.* to communicate or react with somebody
191. de_____p a strategy *v.* to grow or expand; to improve or refine through a process of progress and refinement, often to achieve greater sophistication or complexity; to elaborate or add detail to something that is in the process of being created
192. res_____on of a conflict *n.* a firm decision or determination to do or not do something; the action of solving a problem, dispute, or conflict; the quality of being resolved or determined; the clarity and sharpness of an image or display

ANSWERS: 185. process, 186. parliament, 187. configuration, 188. environment, 189. synchronize, 190. interact, 191. develop, 192. resolution

193. save the pl___t *n.* any of the nine large celestial bodies that circle in the solar system; any celestial body that revolves around a star
194. help ta___e climate change *v.* to try to deal with a complex problem or situation
195. collaborate with co_____ues *n.* one of a group of a coworker, especially in a profession or a business
196. in_____e a high degree of risk *v.* to include or affect someone or something as a necessary part of something else
197. medical l_b *n.* a workplace for the conduct of scientific research; a laboratory
198. hea_____ing contest *n.* the act of forcefully striking someone or something with the head, typically done as a sign of aggression or dominance
199. ti_____ne of science history *n.* a series of events arranged in chronological order and displayed along a line, usually drawn left to right or top to bottom
200. color pi__ls *n.* the smallest unit of an image that can be displayed or manipulated electronically, typically a point of light on a computer screen or in a digital image
201. ov_____me work *n.* time worked beyond the regular or agreed-upon hours of work, often resulting in additional pay or compensation for the employee
202. con_____ed legal language *adj.* extraordinarily complicated and hard to understand

ANSWERS: 193. planet, 194. tackle, 195. colleague, 196. involve, 197. lab, 198. head-butting, 199. timeline, 200. pixel, 201. overtime, 202. convoluted

ANSWERS:

Session 3: Fill in the Blanks

1. She stood on the podium and _____ an audience.
 - v. to examine something hastily, with the eyes or with a machine, to get information

2. 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.

3. Enhanced rail _____ is crucial for our business.
 - n. a system for moving people or products from one location to another using automobiles, roads, and so on

4. She is a leading female classical _____ dancer
 - n. a type of performance dance that tells a dramatic story or expresses an idea with music but no talking or singing

5. We need to _____ the next steps for the project during our meeting tomorrow.
 - v. to talk about or examine in detail through conversation or debate; to exchange ideas, opinions, or information on a particular topic

6. She won a gold medal in the physics _____ and was praised by her teachers and peers.
 - n. a period of four years, originally the time between the ancient Olympic Games and now commonly used to refer to the modern Olympic Games, which are held every four years

7. I bought a gadget before my trip to help _____ stress during the flight.
 - v. to make something, especially something bad, small or less serious

ANSWERS: 1. scanned, 2. tap, 3. transportation, 4. ballet, 5. discuss, 6. olympiad, 7. minimize

8. The company's _____ in handling customer requests led to many complaints.
- n.* the lack of ability or effectiveness in producing the desired results or outcomes; the quality of being wasteful or unproductive
9. He _____ the 10th anniversary of his tenure.
- v.* to acknowledge a memorable or good day or event with a social gathering or enjoyable activity
10. The outermost electron shell of an _____ determines its chemical characteristics.
- n.* the smallest unit of ordinary matter that forms a chemical element, composed of a nucleus and one or more electrons bound to the nucleus
11. Where can I _____ the application form?
- v.* to get something, especially by making a great effort
12. This country _____ its weapons in the east region.
- v.* to move troops or weapons into a position or military action; to bring into something in an effective way
13. The systems we have developed has accepted as industry _____.
- n.* something that is regarded as usual, typical, or standard
14. We must _____ a new system to streamline our workflow and increase efficiency.
- v.* to grow or expand; to improve or refine through a process of progress and refinement, often to achieve greater sophistication or complexity; to elaborate or add detail to something that is in the process of being created
15. They've decided to _____ a ruined castle.
- v.* to build or form something again that has been damaged or destroyed

ANSWERS: 8. inefficiency, 9. celebrated, 10. atom, 11. obtain, 12. deployed, 13. norms, 14. develop, 15. reconstruct

16. She received several _____ calls.

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

17. The _____ valve controls the flow of water in the irrigation system.

n. a coil of wire wound around a cylindrical core, typically made of ferromagnetic material, that creates a magnetic field when an electric current is passed through it, commonly used in various electrical devices, such as valves, relays, and electric locks

18. I decided to seek counseling on the advice of my _____.

n. one of a group of a coworker, especially in a profession or a business

19. _____ pattern roads often appear in urban areas.

n. a pattern of regularly spaced horizontal and vertical lines; a system of high tension cables by which electrical power is distributed throughout a region

20. The company's policy on _____ states that employees will be compensated for any additional hours worked.

n. time worked beyond the regular or agreed-upon hours of work, often resulting in additional pay or compensation for the employee

21. The _____ for applying for a visa can be lengthy and complicated.

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

22. He imposed a _____ on the project.

n. a series of events arranged in chronological order and displayed along a line, usually drawn left to right or top to bottom

ANSWERS: 16. anonymous, 17. solenoid, 18. colleague, 19. Grid, 20. overtime, 21. process, 22. timeline

23. The researchers try to discover a common _____ in all types of successful organizations.
- n.* one of several parts that combines with others to form something bigger
24. The government is determined to _____ sharp inflation.
- v.* to try to deal with a complex problem or situation
25. The astronaut felt weightless in space due to the absence of _____.
- n.* the force that attracts a body towards the center of the earth or towards any other physical body having mass; a manner that is solemn
26. 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
27. It is a _____ in many families to have a big Thanksgiving dinner with all their relatives.
- n.* a belief, custom, or way of doing something that has been passed down from generation to generation within a group or society
28. He spent hours every day _____ figures out of clay.
- v.* to create a work of art by carving, casting, or other shaping techniques
29. In our country, water _____ usually decreases during the winter.
- n.* the amount used or eaten; the act of using up a resource such as energy, food, or materials
30. There are various hypotheses concerning the _____ of life.
- n.* the first existence or beginning of something

ANSWERS: 23. component, 24. tackle, 25. gravity, 26. monitor, 27. tradition, 28. sculpting, 29. consumption, 30. origin

31. The old _____ on the farm was used to store hay and other equipment.
n. a large farm building used for storage of crops or housing livestock
32. The _____ of the dancers on stage was graceful and elegant.
n. a group of people working together to achieve a shared goal, especially a political, social, or artistic one; the process of moving or being moved, physically or figuratively
33. 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
34. The incumbent _____ announced his plans to address the city's homelessness crisis.
n. an elected official who presides over a city or town government
35. The art museum is hosting an _____ of contemporary paintings next month.
n. a public event or display of works of art, scientific or industrial objects, or other items of interest, usually held in a museum or art gallery
36. The city is taking measures to reduce the amount of _____ in the streets.
n. discarded material, refuse, or waste
37. I was able to _____ the moment on film.
v. to catch a person or an animal and confine them in an area which they cannot escape
38. I left my _____ at home, and now I feel lost.
n. a portable electronic device used for making and receiving phone calls, sending text messages, and accessing the internet wirelessly

ANSWERS: 31. barn, 32. movement, 33. decision, 34. mayor, 35. exhibition, 36. trash, 37. capture, 38. cell-phone

39. The dragon is considered a _____ of bravery.

n. something visible that is used to represent something else

40. 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

41. The mountain was _____ with snow.

v. to cause liquid to scatter in irregular drops, especially with force

42. The teacher told the students to memorize the math _____.

n. a group of symbols, letters, or numbers that represent a rule, law, or mathematical statement

43. We must enter a six-_____ number to unlock the safe.

n. one of the elements that collectively form a system of numeration; a finger, thumb, or toe

44. After a thorough investigation, she has been named as the _____ suspect.

adj. main or most important; basic; (prime number, noun) a natural number greater than 1 that cannot be formed by multiplying two smaller natural numbers (e.g., 2, 3, 5, 7, 11 and 13)

45. James Joyce's books are full of long, _____ sentences.

adj. extraordinarily complicated and hard to understand

46. She was disbarred for her _____ in fraud.

adj. attracting, pleasant, or charming

ANSWERS: 39. symbol, 40. structure, 41. splashed, 42. formula, 43. digit, 44. prime, 45. convoluted, 46. engaging

47. The government should do more to _____ sustainable agribusiness.
- v. to encourage or persuade people to like, buy, use, do, or support something; to raise someone to a higher position or rank
48. I ____ that you know it.
- v. to risk money on the result of an event or a competition, such as a race or game, to get more money; to have faith or confidence in something
49. The company's CEO arrived at the meeting via _____ to avoid traffic congestion
- n. a type of aircraft that is capable of hovering in place and moving vertically, as well as flying horizontally; often used for emergency medical services, military operations, and transport in areas with limited access
50. The politician remained _____ despite intense media scrutiny.
- adj. without any or little sound
51. The company specializes in manufacturing and selling cutting-edge _____.
- n. the branch of physics and technology that deals with the behavior and control of electrons and the use of electronic devices and systems
52. 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
53. The artist held a _____ to teach students how to paint with watercolors.
- n. a place where people work, especially one where they do manual or practical work; a brief intensive course for a small group

ANSWERS: 47. promote, 48. bet, 49. helicopter, 50. silent, 51. electronics, 52. particles, 53. workshop

54. The _____ will repair my telephone tomorrow morning.
- n.* a person whose job is designing, building, or maintaining something such as machines, structures, or software
55. Mercury is the closest _____ to the sun.
- n.* any of the nine large celestial bodies that circle in the solar system; any celestial body that revolves around a star
56. _____ and weather have an impact on every part of our lifestyles.
- n.* the weather in a particular location averaged over some long period
57. She gets a _____ on each contract.
- n.* a formal instruction, command, or request given to a person or group; an official group of people entrusted by a government or other official body to control or enforce something
58. 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
59. The city is a true _____ with a diverse population and bustling streets.
- adj.* of or relating to a large city or a city that is considered to be the cultural or economic center of a region or country
60. The election was a _____ success for the Whigs.
- adj.* worthy of attention because unusual or special
61. The bread's _____ was golden brown and crispy.
- n.* a hard outer layer that forms on the surface of a liquid as it cools or on a solid as a result of exposure to air or moisture

ANSWERS: 54. engineer, 55. planet, 56. Climate, 57. commission, 58. interaction, 59. metropolitan, 60. remarkable, 61. crust

62. The investigation _____ several government agencies and is expected to take several months.
- v.* to include or affect someone or something as a necessary part of something else
63. The teachers make full use of _____ assistance.
- n.* a person who performs or offers to perform a job or service without being paid for or forced to do
64. They watched the train _____ into the distance.
- v.* to cease to exist or be visible
65. The penny fell _____ the piano.
- adv.* under or below something else
66. He made a generous _____ to the charity.
- n.* a voluntary gift of money, service, or ideas that are given to a person or an organization, or the act of giving them
67. The lighthouse served as a _____ to guide ships safely into port.
- n.* a light or other visible object serving as a signal, guide, or warning
68. The _____ of molecules in steel changes significantly with temperature.
- n.* the arrangement or pattern of something or a group of related things
69. The _____ in the novel provides background information on the characters and setting.
- n.* a comprehensive description and explanation of an idea or theory; a collection of things, such as goods or works of art, etc., for public display

ANSWERS: 62. involves, 63. volunteer, 64. disappear, 65. underneath, 66. donation, 67. beacon, 68. configuration, 69. exposition

70. The weather in this region is often _____ with sudden rainstorms and strong winds.
adj. not capable of being foreseen or calculated; not regular or certain
71. I _____ to him that I had seen his sister at the grocery store earlier that day.
v. to speak or write about something or someone briefly
72. This measurement aims to reduce traffic at _____ periods.
n. the point to which something or someone is at its strongest, best, or most successful; the pointed top of a mountain
73. He should _____ more with his colleagues.
v. to communicate or react with somebody
74. During the match, the soccer player was penalized for deliberate _____.
n. the act of forcefully striking someone or something with the head, typically done as a sign of aggression or dominance
75. There are five distinct _____ at five unique wavelengths.
n. the act of production or sending out gas, heat, light, etc.
76. Every human is responsible for taking care of the Earth's _____.
n. the natural world such as air, water, and land in which humans, animals, and plants live
77. She had knowledge she couldn't wait to _____.
v. to expose or inform; to provide a portion of
78. 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

ANSWERS: 70. unpredictable, 71. mentioned, 72. peak, 73. interact, 74. head-butting, 75. emissions, 76. environment, 77. impart, 78. synchronized

79. Overall _____ are approximately 400x200mm.

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

80. The building _____ tried to build the house above the tree.

n. a person whose job is to design plans to be used in making something, such as buildings

81. The _____ of the Earth causes day and night.

n. the action or process of moving in a circle around an axis or center

82. The city is known for its impressive _____ and beautiful old buildings.

n. the art and science of designing and constructing buildings

83. The _____ on the pipeline was leaking, so maintenance had to shut it off to make repairs.

n. a device for controlling the flow of a fluid or gas through a pipe or duct by means of a movable part that opens, closes, or restricts the opening

84. He was a member of _____.

n. a legislative body, especially the one that represents the people of a country or state

85. The city decided to _____ the old, unsafe building and build a new one.

v. to completely destroy or tear down a building, structure, or other entity; to ruin or eliminate the effectiveness or power of something

86. 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

ANSWERS: 79. dimensions, 80. architect, 81. rotation, 82. architecture, 83. valve, 84. parliament, 85. demolish, 86. digital

87. You can be more _____ and creative in your approach.

adj. able to change or be changed to suit new conditions or situations; able to bend easily

88. She was _____ by the strange behavior of her cat.

adj. confused or uncertain because you do not understand something

89. The computer screen comprises thousands of tiny _____ that create the overall picture.

n. the smallest unit of an image that can be displayed or manipulated electronically, typically a point of light on a computer screen or in a digital image

90. _____ elections were held in several European countries.

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

91. The outdoor wedding reception was held in a beautiful _____ overlooking the lake.

n. a large, often ornate tent or booth, often used for entertainment or public events; a building or structure, often in a park or other public space, used for meetings, exhibitions, or social gatherings

92. The _____ amount of money raised for the charity was over a million dollars.

n. a collection or sum of different things often used to describe a total or combination of items

93. Parents often _____ their characteristics to their children.

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

ANSWERS: 87. flexible, 88. puzzled, 89. pixels, 90. Communal, 91. pavilion, 92. aggregate, 93. transmit

94. Rome's _____ gets busy in peak season.

- n.* (also "coliseum") a large amphitheater (= an open-air venue used for entertainment, performances, and sports) in Rome whose construction was begun by Vespasian about AD 75 or 80

95. A smaller car will _____ less fuel.

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

96. The electric _____ keeps me warm on cold nights.

- n.* a large piece of soft material used to cover or wrap a person or thing to keep them warm; (adjective) broad in scope or content

97. 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

98. The Prime Minister will pay a courtesy visit to the Nobel laureate's _____.

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

99. A desire for success _____ her.

- v.* to cause a machine or equipment to start to work

100. He made a New Year's _____ to exercise more and eat healthier.

- n.* a firm decision or determination to do or not do something; the action of solving a problem, dispute, or conflict; the quality of being resolved or determined; the clarity and sharpness of an image or display

101. We can use this campaign as a bargaining _____ in the negotiations.

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

ANSWERS: 94. Colosseum, 95. consume, 96. blanket, 97. display, 98. lab, 99. actuated, 100. resolution, 101. chip

ANSWERS: