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Vocabulary Builder Reference from...

Yves Rossy: Fly with the Jetman | TED Talk

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All Words

IMPORTANT

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Session 1: Word List

grand

adj. important and large in size, scope, or extent

synonym: impressive, great, ambitious

(1) a **grand** meal, (2) **grand** bargain

This year's **grand** gathering will be held in Canada.

canyon

n. a large deep valley with very steep sides of rock and usually formed by a river

synonym: gorge, valley, ravine

(1) twisty **canyon** road, (2) **canyon** of skyscrapers

The Grand **Canyon** has an awe-inspiring sight.

narrator

n. a person who tells a story, especially in a book or film

synonym: teller, storyteller

(1) first-person **narrator**, (2) the **narrator** of the TV program

The **narrator** makes use of the local dialect.

conduct

v. to organize and carry out a particular activity

synonym: behave, lead, carry on

(1) **conduct** a background check, (2) **conduct** research

Police will **conduct** random breath testing for drunk driving.

strap

n. a long, narrow strip or belt of leather, fabric, or another material used for binding, fastening, or supporting something or someone; a band or string that attaches

one object to another, often used to secure items during transport

synonym : band, belt, sling

(1) leather **strap**, (2) camera **strap**

The athlete tightened the **strap** on his running shoes before the race.

integral

adj. necessary to make a whole complete; essential, or fundamental; combining with something else to form a whole; (noun, of mathematics) a fundamental concept in calculus that represents the area under a curve between two points on a graph

synonym : essential, fundamental, indispensable

(1) **integral** function, (2) **integral** component

Effective communication is an **integral** part of any successful team.

aircraft

n. any vehicle that can fly and carry things or passengers, such as a plane or helicopter

synonym : airplane, plane, airliner

(1) an **aircraft** landing, (2) **aircraft** control system

The marine **aircraft** manufacturer demonstrated their newest hydroplane.

tunnel

n. an underground or underwater passage, typically for trains or cars

synonym : passageway, underground passage

(1) **tunnel** construction work, (2) **tunnel** disease

The workers had to dig through solid rock to create the vehicular **tunnel** allowing the cars to pass through the mountain.

steer

v. to control the direction or movement of a vehicle; to direct a course of action; to guide or motivate someone

synonym : guide, direct, control

(1) **steer** a steady course, (2) **steer** a conversation

The captain told him to **steer** the ship north.

flap *n.* a piece of material attached to a garment, sail, or aircraft which flaps in the wind; (verb) to move in a wavy pattern or with an up-and-down motion
synonym: winged object, cover, (verb) flutter
(1) the **flap** of wings, (2) **flap** out a candle
The **flap** of the tent was open, letting in the fresh air.

rudder *n.* a flat, vertical blade at the rear of a vessel that can be turned horizontally to steer the vessel by changing its direction of movement; a device used in aircraft to control its yaw (side-to-side movement)
synonym: helm, tiller, steering gear
(1) **rudder** control, (2) **rudder** movement
The small boat's **rudder** was damaged in the storm, making it difficult to steer.

assist *v.* to help someone in doing anything
synonym: help, support, aid
(1) **assist** a patient, (2) **assist** his goal
Please **assist** her with the furniture relocation.

fuselage *n.* the main body of an aircraft, including the cockpit, passenger compartments, and cargo holds
synonym: body, frame, chassis
(1) aluminum **fuselage**, (2) long **fuselage**
The airplane's **fuselage** was damaged in the emergency landing.

unique *adj.* being the only one of its kind; unlike anything else
synonym: one-of-a-kind, unparalleled, incomparable
(1) a **unique** teacher, (2) **unique** design
The painting is **unique**, and there is no other like it.

arch *n.* a curved structure with two supports that holds the weight of something above it, such as a bridge or the

upper part of a building

synonym : turn, bow, arc

(1) the **arch** of a person's foot, (2) an **arch-shaped** stone structure

The **arch** bears the weight of the overhead bridge.

altitude

n. the height of an object or point in relation to sea level or ground level

synonym : height, elevation, tallness

(1) the meridian **altitude**, (2) low **altitude**

The plane flew at a high **altitude** to avoid turbulence.

dive

v. to jump into the water with your head and arms going in first, or to move down to a deeper level underwater

synonym : dip, leap, plunge

(1) **dive** into anime communities, (2) **dive** off a cliff

The sperm whale can **dive** to 1,000 meters.

strait

n. a narrow stretch of water or sea connecting two larger bodies of water or seas

synonym : narrows, channel, passage

(1) **strait** passage, (2) **strait** channel

The ship navigated through the **strait** with great care.

crossing

n. the act of going from one side to the other; a place where roads, railway tracks, or rivers intersect

synonym : intersection, junction

(1) **crossing** bridge, (2) a **crossing-keeper**

The busy road was closed for a few hours for a railway **crossing**.

commentator

n. a person who provides commentary or analysis, particularly about a specific event, topic, or field, such as sports, news, or politics

synonym : announcer, analyst, presenter

(1) television **commentator**, (2) political **commentator**

The sports **commentator** provided detailed analysis throughout the game.

critic

n. someone who expresses opinions about the quality of books, music, etc.

synonym : pundit, analyst, attacker

(1) art **critic**, (2) severe **critic**

Advocates for legal reform hear less harsh words from their **critics**.

stabilize

v. to become or cause to become steady or unlikely to give way

synonym : brace, steady, secure

(1) **stabilize** prices, (2) **stabilize** blood sugar levels

The raising of interest rates **stabilizes** the inflation rate.

degree

n. a unit of measurement for angles, temperature, or level of proficiency or achievement; a rank or level of academic or professional attainment

synonym : level, qualification, diploma

(1) bachelor's **degree**, (2) **degree** centigrade

She received her **degree** in psychology from the university.

gentle

adj. having or showing a kindly or tender nature; soft and mild

synonym : mild, delicate, soft

(1) in a **gentle** voice, (2) **gentle** downward slope

Her **gentle** manner relaxed everyone there.

historic

adj. famous or significant in history, or potentially so

synonym : memorable, momentous, historical

(1) **historic** accomplishment, (2) achieve the **historic** feat

The Chinese people have accomplished several **historic** feats.

flee

v. to leave by running away, especially out of fear or danger

synonym: exit, escape, run away

(1) **flee** their homes, (2) **flee** abroad

It is a basic instinct to **flee** from a dangerous situation.

nation

n. a large organized community of people living in a particular country or region and having a particular culture

synonym: country, state, sovereign entity

(1) **nation-state**, (2) a seafaring **nation**

The **nation** of Japan is known for its unique culture and advanced technology.

geography

n. a field of science devoted to the study of the lands, features, inhabitants, and phenomena of the Earth

synonym: landscape, terrain, topography

(1) **geography** class, (2) economic **geography**

She did well on her **geography** exam.

toggle

n. a switch, button, or lever that can be used to turn a device or feature on or off or to switch between different options or modes; (verb) to switch between two different states, options, or modes, often repeatedly

synonym: switch, lever, button

(1) **toggle** condition, (2) **toggle** between two options

You need to use the **toggle** button to switch between the night and day modes on the app.

flare

v. to burn brightly with a sudden, intense burst of flame or light; (noun) a sudden and brief burst of bright flame or light; a sudden and intense burst of radiation from the Sun's surface

synonym: blaze, ignite, light up

(1) **flare** up into a major crisis, (2) the **flare** of a match

The Sun **flared** and caused a sudden brightening in the sky.

landing

n. the act of coming to rest on the ground or another surface after being in flight or jumping; a platform or

area of ground where a plane or spacecraft can come to rest

synonym : touchdown, arrival, descent

(1) **landing** gear, (2) emergency **landing**

The plane made a rough **landing**, and everyone clapped once we came to a stop.

equip

v. to provide a person or a place with the things that are needed for a particular purpose or activity

synonym : prepare, furnish, provide

(1) **equip** an army, (2) **equip** our children with some special skills

The construction company **equipped** the building with an earthquake-resistant device.

amazing

adj. extremely surprising, especially in a way that you like or admire

synonym : exceptional, extraordinary, wonderful

(1) **amazing** advances, (2) the most **amazing** feeling

The golfer recorded an **amazing** distance.

sequence

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

synonym : arrangement, succession, series

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

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

unreal

adj. imaginary; not existing in fact

synonym : false, fake, fictitious

(1) have an **unreal** feeling, (2) **unreal** situation

The idea of winning the lottery seemed so **unreal** that he didn't even bother buying a ticket.

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.

harness

v. to control and exploit the power of something, especially natural resources that produce energy; (noun) a set of narrow pieces of leather and metal that are used to control or hold in place a person, animal, or object

synonym: rein in, control, (noun) belt

(1) **harness** a horse to a carriage, (2) put a **harness** on my pet

People have been exploring ways to **harness** natural forces and resources since ancient times.

discovery

n. the act or process of finding information, a place, or an object, or learning about something that was previously not known

synonym: finding, uncovering, detection

(1) a scientific **discovery**, (2) the great **discovery** of the century

Her research team made an important **discovery**.

element

n. a fundamental or essential part of something

synonym: component, feature, essence

(1) new design **elements**, (2) nonmetallic **elements**

Natural selection is an essential **element** in Darwin's theory of evolution.

vector

n. a quantity that has both magnitude and direction, often used in mathematics, physics, and engineering to describe forces, velocities, or other physical phenomena; any agent (person or animal, or microorganism) that carries and transmits a disease

synonym: carrier, transporter, conveyer

(1) disease **vector**, (2) a **vector** operation

The mosquito is a common **vector** for many diseases, including malaria and Zika.

loop

n. a shape like a curve or a circle made by something long and thin, such as a piece of string, that bends round and crosses itself

synonym : circle, curl, spiral

(1) exit from a **loop**, (2) positive feedback **loop**

Many people in this city use the **loop** railway for transportation.

kerosene

n. a flammable, colorless, or pale yellow liquid derived from the distillation of petroleum, used as a fuel for lamps, stoves, and heaters

synonym : fuel oil, lamp oil, coal oil

(1) **kerosene** stove, (2) burning **kerosene**

The lamp in the cabin burned **kerosene** for light.

pilot

n. a person who flies an aircraft, especially as a job; a person qualified to guide ships through a difficult area of water

synonym : aviator, flyer, chief

(1) a test **pilot**, (2) **pilot** production

The **pilot** exercised great care in landing.

handle

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

synonym : control, manage, deal with

(1) **handle** a precious object, (2) **handled** the incident

We all should learn how to **handle** stress.

purity

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

synonym : sinlessness, innocence, cleanliness

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

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

vice

n. wrongdoing or wicked behavior; (in the form of vice versa) with the order reversed; (as a prefix) someone with a job immediately below a particular person

synonym :

corruption, depravity, evil

(1) virtue and **vice**, (2) **vice-chair** of the committee
Cats hate dogs and **vice** versa.

reinvent

v. to change something so drastically that it looks to be completely new

synonym: recreate, remake, revive

(1) **reinvent** local dishes, (2) **reinvent** our life

They have tried to **reinvent** their grocery stores.

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.

mobility

n. the ability to move or be moved freely or easily from one place, job, or social class to another

synonym: flexibility, maneuverability

(1) lack in **mobility**, (2) improve social **mobility**

I have limited **mobility** in my arms.

kite

n. a toy made of a light frame covered with cloth or plastic and joined to a long string that you fly in the air

(1) **kite** string, (2) a picture on a **kite**

Benjamin Franklin proved that lightning is electricity through experiments with **kites**.

surf

v. to ride on or through waves while standing or lying down on a board or other object; to search or browse the Internet or other computer networks in a casual or aimless manner

synonym: browse, scan, paddle

(1) **surf** the Internet, (2) **surf** the waves

I'll **surf** the online store to see if I can find that item in a different color.

adapt

v. to make fit for or change to suit a new purpose or environment

synonym: adjust, acclimate, accustom

(1) **adapt** fully to the environment, (2) **adapt** as needed

I advised him to **adapt** to his new surroundings.

fluid

n. a substance that can flow and is not solid

synonym: liquid, aqua, sap

(1) plenty of **fluids**, (2) **fluid** assets

She was diagnosed with a **fluid** buildup in her lungs.

agile

adj. able to move quickly and easily, often in a way that is graceful and controlled

synonym: nimble, quick, flexible

(1) an **agile** mind, (2) **agile** in his movements

The **agile** development process allowed the team to make changes quickly.

meter

n. a device used to measure the amount of a particular substance or attribute, such as length, volume, or time; (prosody) the accent in a metrical foot of verse

synonym: gauge, indicator, rhythm

(1) a gas **meter**, (2) poetic **meter**

The **meter** on the wall showed that the room was three meters long.

oxygen

n. the chemical element with the symbol O that is present in air and water and is necessary for people, animals, and plants to live

(1) the hydrogen binds the **oxygen**, (2) lack of **oxygen**

The passenger grabbed for the **oxygen** mask.

helmet

n. a protective covering for the head, worn for safety or as part of a uniform or ceremonial dress

synonym : headgear, head protector, safety hat

(1) **helmet** size, (2) safety **helmet**

The worker survived the impact because they were wearing sturdy **helmets**.

engine

n. a machine that converts thermal energy to mechanical work; something that has an important role used to achieve a purpose

synonym : motor, locomotive, driver

(1) a steam **engine**, (2) an air-cooled **engine**

The policies he announces can be the **engine** of economic growth in the country.

span

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

synonym : interval, period, length

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

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

thrust

v. to push or drive forcibly; to impose or insert; (noun) the force used in pushing

synonym : push, shove, prod

(1) **thrust** a dagger home, (2) **thrust** a plate away

The engine **thrust** the rocket into space.

turbine

n. a machine that rotates to generate power from fluids such as water or gas

synonym : engine, generator, power plant

(1) **turbine** energy, (2) **turbine** aerofoil

The wind **turbines** were spinning rapidly, generating clean energy for the nearby town.

parachute

n. a device used to slow the motion of people or objects through an atmosphere consisting of a large piece of thin cloth that is attached to them and opens out in the

air

(1) **parachute** troops, (2) golden **parachute**

This training includes emergency escape drills with **parachutes**.

instrument

n. an object used to make musical sounds, such as a piano, guitar, or drum; a tool or device used for a specific activity, particularly in specialist or scientific work

synonym : apparatus, tool, device

(1) musical **instruments**, (2) surgical **instruments**

This electronic **instrument** is required to undergo periodic inspections to ensure precision.

altimeter

n. a device used to measure altitude, especially in aircraft, by sensing changes in atmospheric pressure

synonym : elevation gauge, height meter, altitude indicator

(1) digital **altimeter**, (2) **altimeter** calibration

The **altimeter** on the plane measures the altitude above sea level.

fuel

n. a substance that is typically burned to generate heat or energy

synonym : energy, power, gas

(1) biomass **fuel**, (2) smokeless **fuel**

The **fuel** scarcity most severely impacted the manufacturing sector

fin

n. a thin flat part on the body of a fish or other aquatic animal used for propulsion or balance

synonym : flipper, appendage, stabilizer

(1) back **fin**, (2) a **fin** of a plane

The shark's powerful **fins** allowed it to swim at high speeds.

possibility

n. a chance that something may happen or be true

synonym : chance, prospect, likelihood

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

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

release

v. to set free or allow to escape from confinement
synonym: free, let go, discharge

(1) **release** a prisoner, (2) **release** CO2 into the air

The animal rights group worked to **release** the dolphins back into the wild.

spin

v. to cause something to rotate rapidly; to cause someone to feel dizzy or disoriented

synonym: rotate, twirl, swirl

(1) **spin** a top, (2) **spin** thread out of cotton

The tornado is **spinning** across the countryside, destroying everything in its path.

unstable

adj. lacking solidity, persistence, or firmness and therefore not strong, safe, or likely to continue; lacking control of one's emotions

synonym: shaky, unbalanced, inconsistent

(1) mentally **unstable**, (2) **unstable** weather

The tower proved to be **unstable** in the high wind.

orientation

n. a person's basic attitudes, beliefs, and preferences about particular things; a course introducing a new situation or environment

synonym: direction, introduction, frontage

(1) sexual **orientation**, (2) the school **orientation**

There will be an **orientation** lecture for new students this afternoon.

probable

adj. likely to happen or likely to be true

synonym: likely, possible, potential

(1) **probable** outcome, (2) **probable** cause of a fire

It seems **probable** that he has forgotten our scheduled meeting.

audible

adj. able to be heard; loud enough to be heard clearly

synonym : hearable, perceptible, loud enough

(1) **audible** sound, (2) **audible** words

An **audible** sigh from the back of the room broke the silence.

chute

n. a steep, narrow slide or passage, often used for moving objects or people quickly and safely from a higher to a lower level; a channel or pathway that guides the flow of material, usually in a controlled manner

synonym : slide, ramp

(1) garbage **chute**, (2) escape **chute**

The laundry **chute** in the apartment building allows residents to drop their dirty clothes into the laundry room easily.

rescue

v. to save someone or something from a dangerous or difficult situation

synonym : save, extricate, retrieve

(1) **rescue** a dying dog, (2) **rescue** a company from bankruptcy

The fire department arrived just in time to **rescue** the family from the burning building.

afterward

adv. after the time mentioned

synonym : later, thereafter, following

(1) a few years **afterward**, (2) go there **afterward**

We will explain the countermeasure concerning this problem **afterward**.

risky

adj. involving the possibility of danger, failure, or loss

synonym : dangerous, perilous, scary

(1) change **risky** behavior, (2) a **risky** enterprise

It is extremely **risky** to sail in such a storm.

crazy

adj. stupid or not sensible; very angry

synonym : insane, absurd, bizarre

(1) **crazy** about cars and racing, (2) a **crazy** scheme

The rain and thunder are **crazy** today.

checklist

n. a list of items, tasks, or points to be considered or acted upon, used as a reminder and to ensure that all necessary steps have been taken

synonym : inventory, list, roll call

(1) **checklist** for evaluating, (2) audit **checklist**

I made a **checklist** of things to do before my vacation.

assume

v. to think or accept something to be true without having proof of it; to take or begin to have power; to begin to exhibit a specific quality or appearance

synonym : guess, presume, suppose

(1) **assume** a lousy attitude to his boss, (2) **assume** an important role

The following example **assumes** that the capacity of each battery is the same.

employer

n. a person or organization that pays workers to work for them

synonym : boss, owner, company

(1) illegal **employer**, (2) **employer** responsibility

An **employer's** attitude toward its employees significantly impacts their productivity.

aviation

n. the activity or process of designing, building, flying, and maintaining aircraft

synonym : flying, flight, aeronautics

(1) global **aviation** industry, (2) civil **aviation**

The **aviation** expert analyzed the fluid around the aircraft.

precise

adj. sharply exact or accurate or delimited

synonym : accurate, exact, distinct

(1) **precise** analyses, (2) estimate **precise** costs

The content is **precise** and informative for me.

improvise

v. to create or perform something on the spot, without preparation or planning; to use what one has available to do or create something

synonym : ad-lib, extemporize

(1) **improvise** a joke, (2) **improvise** an escape plan

We had to **improvise** a tent using a tarp and sticks since we didn't have a proper one.

principle

n. a fundamental law or truth that explains or controls how something happens or works

synonym : rule, creed, code

(1) **principle** of treatment, (2) **principle** in business

Efficiency isn't an essential **principle** here; fairness is.

eject

v. to force someone to put out or leave a particular place or position

synonym : discharge, expel, emit

(1) **eject** a player from a game, (2) **eject** huge amounts of pollutant

Our immune system can **eject** disease germs from the body.

professional

adj. having or showing the skill appropriate to a particular job; competent or skillful

synonym : skilled, competent, accomplished

(1) **professional** athlete, (2) certified **professional** secretary

He has a **professional** demeanor and always presents himself in a polished manner.

pioneer

n. inventor; explorer; someone who is among the first to achieve something

synonym : frontiersperson, innovator, trailblazer

(1) act as a **pioneer**, (2) early **pioneers**

John Whitney was a computer animation **pioneer**.

- roll** v. to move in a particular direction by turning over and over or from side to side
synonym: spin, swirl, wheel
(1) **roll** a ball, (2) **roll** down his cheeks
He was exhausted and **rolled** into bed as soon as he got home.
- complicated** *adj.* involving a lot of different things or parts in a way that is difficult to understand or analyze
synonym: complex, convoluted, intricate
(1) a **complicated** process, (2) become increasingly **complicated**
He did **complicated** pen-and-ink drawings in just a few days.
- regime** *n.* the organization, a system, or method that is the governing authority of a political unit
synonym: administration, establishment, government
(1) a puppet **regime**, (2) exercise **regime**
Totalitarian **regimes** are less likely to innovate because they deprive individuals of economic incentives.
- 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
- accelerate** v. to make something faster or earlier; to cause to develop or progress more quickly
synonym: speed up, quicken, rev
(1) **accelerate** a chemical reaction, (2) **accelerate** the car
The government tried to **accelerate** the commercialization of this development.

midair

n. some point in the air; above ground level

(1) a **midair** collision, (2) thrown out into **midair**

She flawlessly performed a **midair** somersault.

curiosity

n. a strong desire to know or learn about something

synonym: interest, inquisitiveness, novelty

(1) boundless **curiosity**, (2) satisfy my intellectual **curiosity**

We are motivated by **curiosity** rather than necessity.

rim

n. the edge of something in the shape of a more or less circular object

synonym: boundary, lip, edge

(1) **rim** of the ear, (2) crater **rim**

The water level was even with the basin's **rim**.

sled

n. a vehicle used for traveling over snow or ice, typically consisting of a flat-bottomed frame mounted on runners, sometimes pulled by dogs or horses

synonym: sleigh, toboggan, sledge

(1) pull a **sled**, (2) **sled** dog

We used a **sled** to slide down the hill in the snow.

cactus

n. a plant that typically grows in dry regions and has spiny leaves, stems, and often vibrant flowers

synonym: desert plant, succulent, thornbush

(1) small **cactus**, (2) potted **cactus**

The hiker got pricked by a **cactus** needle while walking.

thermal

adj. relating to heat or temperature; designed for or capable of producing or maintaining heat

synonym: heat-related, warm, hot

(1) **thermal** insulation, (2) **thermal** energy

The **thermal** imaging camera was used to detect heat signatures in the dark.

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.

tandem

n. a device or arrangement that allows two or more things to be connected or work together in a coordinated manner; a bicycle built for two people to ride in a line, with one behind the other

synonym: bicycle built for two, double, tandem bike

(1) **tandem** approach, (2) **tandem** skydiving

The **tandem** bike ride was fun for the couple to enjoy together.

instruct

v. to teach someone practical skills or knowledge; to formally order or tell someone to do something

synonym: train, coach, guide

(1) **instruct** a student, (2) **instruct** a computer

The facility manager **instructed** the security guards to be on high alert.

formation

n. the way something is created naturally or the way it has been arranged

synonym: establishment, organization, creation

(1) a rock **formation**, (2) **formation** flight

Character **formation** is one of the goals of education.

cliff

n. a steep rock face, especially one at the edge of the sea or a river

synonym: crag, escarpment, precipice

(1) a bold **cliff**, (2) **cliff** diving

He stood at the edge of the **cliff** and looked out to sea.

catapult

n. a device used to hurl an object a long distance

synonym: launcher, trebuchet, slingshot

(1) powerful **catapult**, (2) **catapult** mechanism

The army used a **catapult** to launch large rocks over the castle walls.

initial

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

synonym: basic, primary, beginning

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

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

Session 2: Spelling

- | | |
|-----------------------------------|---|
| 1. re____e CO2 into the air | <i>v.</i> to set free or allow to escape from confinement |
| 2. ge_____hy class | <i>n.</i> a field of science devoted to the study of the lands, features, inhabitants, and phenomena of the Earth |
| 3. ru___r control | <i>n.</i> a flat, vertical blade at the rear of a vessel that can be turned horizontally to steer the vessel by changing its direction of movement; a device used in aircraft to control its yaw (side-to-side movement) |
| 4. ha_____s a horse to a carriage | <i>v.</i> to control and exploit the power of something, especially natural resources that produce energy; (noun) a set of narrow pieces of leather and metal that are used to control or hold in place a person, animal, or object |
| 5. un___l situation | <i>adj.</i> imaginary; not existing in fact |
| 6. early pi_____rs | <i>n.</i> inventor; explorer; someone who is among the first to achieve something |
| 7. he___t size | <i>n.</i> a protective covering for the head, worn for safety or as part of a uniform or ceremonial dress |
| 8. change ri___y behavior | <i>adj.</i> involving the possibility of danger, failure, or loss |
| 9. not no_____ly drink much | <i>adv.</i> usually; under normal conditions |

ANSWERS: 1. release, 2. geography, 3. rudder, 4. harness, 5. unreal, 6. pioneer, 7. helmet, 8. risky, 9. normally

10. twisty ca___n road *n.* a large deep valley with very steep sides of rock and usually formed by a river
11. exit from a l__p *n.* a shape like a curve or a circle made by something long and thin, such as a piece of string, that bends round and crosses itself
12. political com_____or *n.* a person who provides commentary or analysis, particularly about a specific event, topic, or field, such as sports, news, or politics
13. the school ori_____on *n.* a person's basic attitudes, beliefs, and preferences about particular things; a course introducing a new situation or environment
14. a ri__y enterprise *adj.* involving the possibility of danger, failure, or loss
15. back f_n *n.* a thin flat part on the body of a fish or other aquatic animal used for propulsion or balance
16. cr_____ng bridge *n.* the act of going from one side to the other; a place where roads, railway tracks, or rivers intersect
17. the a__h of a person's foot *n.* a curved structure with two supports that holds the weight of something above it, such as a bridge or the upper part of a building
18. as___t a patient *v.* to help someone in doing anything
19. pro_____nal athlete *adj.* having or showing the skill appropriate to a particular job; competent or skillful

ANSWERS: 10. canyon, 11. loop, 12. commentator, 13. orientation, 14. risky, 15. fin, 16. crossing, 17. arch, 18. assist, 19. professional

20. satisfy my intellectual cu_____ty *n.* a strong desire to know or learn about something
21. improve social mo_____ty *n.* the ability to move or be moved freely or easily from one place, job, or social class to another
22. a steam en____e *n.* a machine that converts thermal energy to mechanical work; something that has an important role used to achieve a purpose
23. de____e centigrade *n.* a unit of measurement for angles, temperature, or level of proficiency or achievement; a rank or level of academic or professional attainment
24. garbage ch__e *n.* a steep, narrow slide or passage, often used for moving objects or people quickly and safely from a higher to a lower level; a channel or pathway that guides the flow of material, usually in a controlled manner
25. the hydrogen binds the ox____n *n.* the chemical element with the symbol O that is present in air and water and is necessary for people, animals, and plants to live
26. as____e an important role *v.* to think or accept something to be true without having proof of it; to take or begin to have power; to begin to exhibit a specific quality or appearance
27. first-person na_____or *n.* a person who tells a story, especially in a book or film
28. f__p out a candle *n.* a piece of material attached to a garment, sail, or aircraft which flaps in the wind; (verb) to move in a wavy pattern or with an up-and-down motion

ANSWERS: 20. curiosity, 21. mobility, 22. engine, 23. degree, 24. chute, 25. oxygen, 26. assume, 27. narrator, 28. flap

29. disease ve___r *n.* a quantity that has both magnitude and direction, often used in mathematics, physics, and engineering to describe forces, velocities, or other physical phenomena; any agent (person or animal, or microorganism) that carries and transmits a disease
30. ej__t a player from a game *v.* to force someone to put out or leave a particular place or position
31. have an un___l feeling *adj.* imaginary; not existing in fact
32. cl__f diving *n.* a steep rock face, especially one at the edge of the sea or a river
33. in_____ct a computer *v.* to teach someone practical skills or knowledge; to formally order or tell someone to do something
34. d__e into anime communities *v.* to jump into the water with your head and arms going in first, or to move down to a deeper level underwater
35. an in_____l letter *adj.* of or happening at the beginning; (noun) the first letter of a word, especially a person's name
36. poetic me__r *n.* a device used to measure the amount of a particular substance or attribute, such as length, volume, or time; (prosody) the accent in a metrical foot of verse
37. f__e their homes *v.* to leave by running away, especially out of fear or danger
38. biomass f__l *n.* a substance that is typically burned to generate heat or energy

ANSWERS: 29. vector, 30. eject, 31. unreal, 32. cliff, 33. instruct, 34. dive, 35. initial, 36. meter, 37. flee, 38. fuel

39. the meridian al____de *n.* the height of an object or point in relation to sea level or ground level
40. st__r a steady course *v.* to control the direction or movement of a vehicle; to direct a course of action; to guide or motivate someone
41. bachelor's de____e *n.* a unit of measurement for angles, temperature, or level of proficiency or achievement; a rank or level of academic or professional attainment
42. re____e a prisoner *v.* to set free or allow to escape from confinement
43. small ca____s *n.* a plant that typically grows in dry regions and has spiny leaves, stems, and often vibrant flowers
44. ad__t fully to the environment *v.* to make fit for or change to suit a new purpose or environment
45. in____al component *adj.* necessary to make a whole complete; essential, or fundamental; combining with something else to form a whole; (noun, of mathematics) a fundamental concept in calculus that represents the area under a curve between two points on a graph
46. the most am____g feeling *adj.* extremely surprising, especially in a way that you like or admire
47. the degree of pu____y *n.* the state of being undiluted or unmixed with anything else; the state of being free from immorality, especially of a sexual nature

ANSWERS: 39. altitude, 40. steer, 41. degree, 42. release, 43. cactus, 44. adapt, 45. integral, 46. amazing, 47. purity

48. ta___m skydiving *n.* a device or arrangement that allows two or more things to be connected or work together in a coordinated manner; a bicycle built for two people to ride in a line, with one behind the other
49. a gas me__r *n.* a device used to measure the amount of a particular substance or attribute, such as length, volume, or time; (prosody) the accent in a metrical foot of verse
50. a cr_____ng-keeper *n.* the act of going from one side to the other; a place where roads, railway tracks, or rivers intersect
51. in_____ct a student *v.* to teach someone practical skills or knowledge; to formally order or tell someone to do something
52. co_____t research *v.* to organize and carry out a particular activity
53. co_____t a background check *v.* to organize and carry out a particular activity
54. ad__t as needed *v.* to make fit for or change to suit a new purpose or environment
55. as__t his goal *v.* to help someone in doing anything
56. the average life s__n *n.* the entire length of something, such as time or space from beginning to end; the amount of space that something covers
57. a scientific di_____ry *n.* the act or process of finding information, a place, or an object, or learning about something that was previously not known

ANSWERS: 48. tandem, 49. meter, 50. crossing, 51. instruct, 52. conduct, 53. conduct, 54. adapt, 55. assist, 56. span, 57. discovery

58. exercise re___e *n.* the organization, a system, or method that is the governing authority of a political unit
59. long fu____ge *n.* the main body of an aircraft, including the cockpit, passenger compartments, and cargo holds
60. na___n-state *n.* a large organized community of people living in a particular country or region and having a particular culture
61. 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
62. an ai_____ft landing *n.* any vehicle that can fly and carry things or passengers, such as a plane or helicopter
63. musical ins_____nts *n.* an object used to make musical sounds, such as a piano, guitar, or drum; a tool or device used for a specific activity, particularly in specialist or scientific work
64. complete no_____ly *adv.* usually; under normal conditions
65. cr__y about cars and racing *adj.* stupid or not sensible; very angry
66. a picture on a k__e *n.* a toy made of a light frame covered with cloth or plastic and joined to a long string that you fly in the air
67. nonmetallic el_____ts *n.* a fundamental or essential part of something

ANSWERS: 58. regime, 59. fuselage, 60. nation, 61. develop, 62. aircraft, 63. instrument, 64. normally, 65. crazy, 66. kite, 67. element

68. re___e a dying dog *v.* to save someone or something from a dangerous or difficult situation
69. tu_____e aerofoil *n.* a machine that rotates to generate power from fluids such as water or gas
70. the se_____ce of the seasons *n.* a series of related events, actions, numbers, etc., which have a particular order
71. pos_____ty of a major earthquake *n.* a chance that something may happen or be true
72. au_____e words *adj.* able to be heard; loud enough to be heard clearly
73. a gr__d meal *adj.* important and large in size, scope, or extent
74. st___t channel *n.* a narrow stretch of water or sea connecting two larger bodies of water or seas
75. a f_n of a plane *n.* a thin flat part on the body of a fish or other aquatic animal used for propulsion or balance
76. au_____e sound *adj.* able to be heard; loud enough to be heard clearly
77. powerful ca_____lt *n.* a device used to hurl an object a long distance
78. estimate pr_____e costs *adj.* sharply exact or accurate or delimited
79. ca___n of skyscrapers *n.* a large deep valley with very steep sides of rock and usually formed by a river
80. fl__e up into a major crisis *v.* to burn brightly with a sudden, intense burst of flame or light; (noun) a sudden and brief burst of bright flame or light; a sudden and intense burst of radiation from the Sun's surface

ANSWERS: 68. rescue, 69. turbine, 70. sequence, 71. possibility, 72. audible, 73. grand, 74. strait, 75. fin, 76. audible, 77. catapult, 78. precise, 79. canyon, 80. flare

81. become increasingly com_____ed *adj.* involving a lot of different things or parts in a way that is difficult to understand or analyze
82. a un___e teacher *adj.* being the only one of its kind; unlike anything else
83. camera st__p *n.* a long, narrow strip or belt of leather, fabric, or another material used for binding, fastening, or supporting something or someone; a band or string that attaches one object to another, often used to secure items during transport
84. un___e design *adj.* being the only one of its kind; unlike anything else
85. 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
86. mentally un_____le *adj.* lacking solidity, persistence, or firmness and therefore not strong, safe, or likely to continue; lacking control of one's emotions
87. a test pi__t *n.* a person who flies an aircraft, especially as a job; a person qualified to guide ships through a difficult area of water
88. an ag__e mind *adj.* able to move quickly and easily, often in a way that is graceful and controlled
89. lack of ox___n *n.* the chemical element with the symbol O that is present in air and water and is necessary for people, animals, and plants to live

ANSWERS: 81. complicated, 82. unique, 83. strap, 84. unique, 85. movement, 86. unstable, 87. pilot, 88. agile, 89. oxygen

90. acc_____te a chemical reaction *v.* to make something faster or earlier; to cause to develop or progress more quickly
91. the fl__e of a match *v.* to burn brightly with a sudden, intense burst of flame or light; (noun) a sudden and brief burst of bright flame or light; a sudden and intense burst of radiation from the Sun's surface
92. severe cr___c *n.* someone who expresses opinions about the quality of books, music, etc.
93. em_____er responsibility *n.* a person or organization that pays workers to work for them
94. to___e between two options *n.* a switch, button, or lever that can be used to turn a device or feature on or off or to switch between different options or modes; (verb) to switch between two different states, options, or modes, often repeatedly
95. plenty of fl__ds *n.* a substance that can flow and is not solid
96. television com_____or *n.* a person who provides commentary or analysis, particularly about a specific event, topic, or field, such as sports, news, or politics
97. d__e off a cliff *v.* to jump into the water with your head and arms going in first, or to move down to a deeper level underwater
98. pull a s__d *n.* a vehicle used for traveling over snow or ice, typically consisting of a flat-bottomed frame mounted on runners, sometimes pulled by dogs or horses

ANSWERS: 90. accelerate, 91. flare, 92. critic, 93. employer, 94. toggle, 95. fluid, 96. commentator, 97. dive, 98. sled

99. pr_____le of treatment *n.* a fundamental law or truth that explains or controls how something happens or works
100. boundless cu_____ty *n.* a strong desire to know or learn about something
101. in_____l velocity *adj.* of or happening at the beginning; (noun) the first letter of a word, especially a person's name
102. ha___e a precious object *v.* to deal with a situation, problem, or strong emotion
103. la_____g gear *n.* the act of coming to rest on the ground or another surface after being in flight or jumping; a platform or area of ground where a plane or spacecraft can come to rest
104. st_____ze blood sugar levels *v.* to become or cause to become steady or unlikely to give way
105. digital al_____er *n.* a device used to measure altitude, especially in aircraft, by sensing changes in atmospheric pressure
106. ke_____ne stove *n.* a flammable, colorless, or pale yellow liquid derived from the distillation of petroleum, used as a fuel for lamps, stoves, and heaters
107. certified pro_____nal secretary *adj.* having or showing the skill appropriate to a particular job; competent or skillful
108. am_____g advances *adj.* extremely surprising, especially in a way that you like or admire
109. hi_____ic accomplishment *adj.* famous or significant in history, or potentially so

ANSWERS: 99. principle, 100. curiosity, 101. initial, 102. handle, 103. landing, 104. stabilize, 105. altimeter, 106. kerosene, 107. professional, 108. amazing, 109. historic

110. un____le weather *adj.* lacking solidity, persistence, or firmness and therefore not strong, safe, or likely to continue; lacking control of one's emotions
111. art cr____c *n.* someone who expresses opinions about the quality of books, music, etc.
112. the s__n of a bird's wings *n.* the entire length of something, such as time or space from beginning to end; the amount of space that something covers
113. burning ke____ne *n.* a flammable, colorless, or pale yellow liquid derived from the distillation of petroleum, used as a fuel for lamps, stoves, and heaters
114. in a ge____e voice *adj.* having or showing a kindly or tender nature; soft and mild
115. pr____e analyses *adj.* sharply exact or accurate or delimited
116. im____se an escape plan *v.* to create or perform something on the spot, without preparation or planning; to use what one has available to do or create something
117. a seafaring na____n *n.* a large organized community of people living in a particular country or region and having a particular culture
118. pr____le outcome *adj.* likely to happen or likely to be true
119. the DNA se____ce *n.* a series of related events, actions, numbers, etc., which have a particular order

ANSWERS: 110. unstable, 111. critic, 112. span, 113. kerosene, 114. gentle, 115. precise, 116. improvise, 117. nation, 118. probable, 119. sequence

120. gr__d bargain *adj.* important and large in size, scope, or extent
121. emergency la_____g *n.* the act of coming to rest on the ground or another surface after being in flight or jumping; a platform or area of ground where a plane or spacecraft can come to rest
122. virtue and v__e *n.* wrongdoing or wicked behavior; (in the form of vice versa) with the order reversed; (as a prefix) someone with a job immediately below a particular person
123. a few years af_____rd *adv.* after the time mentioned
124. achieve the hi_____ic feat *adj.* famous or significant in history, or potentially so
125. pos_____ty for growth *n.* a chance that something may happen or be true
126. r__l down his cheeks *v.* to move in a particular direction by turning over and over or from side to side
127. 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
128. leather st__p *n.* a long, narrow strip or belt of leather, fabric, or another material used for binding, fastening, or supporting something or someone; a band or string that attaches one object to another, often used to secure items during transport

ANSWERS: 120. grand, 121. landing, 122. vice, 123. afterward, 124. historic, 125. possibility, 126. roll, 127. movement, 128. strap

129. th____l energy *adj.* relating to heat or temperature; designed for or capable of producing or maintaining heat
130. aluminum fu____ge *n.* the main body of an aircraft, including the cockpit, passenger compartments, and cargo holds
131. escape ch__e *n.* a steep, narrow slide or passage, often used for moving objects or people quickly and safely from a higher to a lower level; a channel or pathway that guides the flow of material, usually in a controlled manner
132. ai____ft control system *n.* any vehicle that can fly and carry things or passengers, such as a plane or helicopter
133. go there af____rd *adv.* after the time mentioned
134. a bold cl__f *n.* a steep rock face, especially one at the edge of the sea or a river
135. tu____l construction work *n.* an underground or underwater passage, typically for trains or cars
136. ca____lt mechanism *n.* a device used to hurl an object a long distance
137. ej__t huge amounts of pollutant *v.* to force someone to put out or leave a particular place or position
138. potted ca____s *n.* a plant that typically grows in dry regions and has spiny leaves, stems, and often vibrant flowers
139. ch____st for evaluating *n.* a list of items, tasks, or points to be considered or acted upon, used as a reminder and to ensure that all necessary steps have been taken

ANSWERS: 129. thermal, 130. fuselage, 131. chute, 132. aircraft, 133. afterward, 134. cliff, 135. tunnel, 136. catapult, 137. eject, 138. cactus, 139. checklist

140. a cr__y scheme *adj.* stupid or not sensible; very angry
141. global av____on industry *n.* the activity or process of designing, building, flying, and maintaining aircraft
142. r_m of the ear *n.* the edge of something in the shape of a more or less circular object
143. sexual ori_____on *n.* a person's basic attitudes, beliefs, and preferences about particular things; a course introducing a new situation or environment
144. s__f the waves *v.* to ride on or through waves while standing or lying down on a board or other object; to search or browse the Internet or other computer networks in a casual or aimless manner
145. pr_____le in business *n.* a fundamental law or truth that explains or controls how something happens or works
146. positive feedback l__p *n.* a shape like a curve or a circle made by something long and thin, such as a piece of string, that bends round and crosses itself
147. st____t passage *n.* a narrow stretch of water or sea connecting two larger bodies of water or seas
148. a ve___r operation *n.* a quantity that has both magnitude and direction, often used in mathematics, physics, and engineering to describe forces, velocities, or other physical phenomena; any agent (person or animal, or microorganism) that carries and transmits a disease

ANSWERS: 140. crazy, 141. aviation, 142. rim, 143. orientation, 144. surf, 145. principle, 146. loop, 147. strait, 148. vector

149. th___t a dagger home *v.* to push or drive forcibly; to impose or insert; (noun) the force used in pushing
150. re___e a company from bankruptcy *v.* to save someone or something from a dangerous or difficult situation
151. economic ge_____hy *n.* a field of science devoted to the study of the lands, features, inhabitants, and phenomena of the Earth
152. re_____nt local dishes *v.* to change something so drastically that it looks to be completely new
153. high pu___y *n.* the state of being undiluted or unmixed with anything else; the state of being free from immorality, especially of a sexual nature
154. s__d dog *n.* a vehicle used for traveling over snow or ice, typically consisting of a flat-bottomed frame mounted on runners, sometimes pulled by dogs or horses
155. fl__d assets *n.* a substance that can flow and is not solid
156. an air-cooled en___e *n.* a machine that converts thermal energy to mechanical work; something that has an important role used to achieve a purpose
157. pr_____le cause of a fire *adj.* likely to happen or likely to be true
158. tu___l disease *n.* an underground or underwater passage, typically for trains or cars
159. s__n a top *v.* to cause something to rotate rapidly; to cause someone to feel dizzy or disoriented

ANSWERS: 149. thrust, 150. rescue, 151. geography, 152. reinvent, 153. purity, 154. sled, 155. fluid, 156. engine, 157. probable, 158. tunnel, 159. spin

160. illegal em____er *n.* a person or organization that pays workers to work for them
161. 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
162. s__n thread out of cotton *v.* to cause something to rotate rapidly; to cause someone to feel dizzy or disoriented
163. fo_____on flight *n.* the way something is created naturally or the way it has been arranged
164. crater r_m *n.* the edge of something in the shape of a more or less circular object
165. a rock fo_____on *n.* the way something is created naturally or the way it has been arranged
166. an a__h-shaped stone structure *n.* a curved structure with two supports that holds the weight of something above it, such as a bridge or the upper part of a building
167. eq__p an army *v.* to provide a person or a place with the things that are needed for a particular purpose or activity
168. golden pa_____te *n.* a device used to slow the motion of people or objects through an atmosphere consisting of a large piece of thin cloth that is attached to them and opens out in the air

ANSWERS: 160. employer, 161. helicopter, 162. spin, 163. formation, 164. rim, 165. formation, 166. arch, 167. equip, 168. parachute

169. s__f the Internet *v.* to ride on or through waves while standing or lying down on a board or other object; to search or browse the Internet or other computer networks in a casual or aimless manner
170. pi__t production *n.* a person who flies an aircraft, especially as a job; a person qualified to guide ships through a difficult area of water
171. a mi___r collision *n.* some point in the air; above ground level
172. new design el____ts *n.* a fundamental or essential part of something
173. safety he___t *n.* a protective covering for the head, worn for safety or as part of a uniform or ceremonial dress
174. v__e-chair of the committee *n.* wrongdoing or wicked behavior; (in the form of vice versa) with the order reversed; (as a prefix) someone with a job immediately below a particular person
175. pa____te troops *n.* a device used to slow the motion of people or objects through an atmosphere consisting of a large piece of thin cloth that is attached to them and opens out in the air
176. al____er calibration *n.* a device used to measure altitude, especially in aircraft, by sensing changes in atmospheric pressure
177. smokeless f__l *n.* a substance that is typically burned to generate heat or energy

ANSWERS: 169. surf, 170. pilot, 171. midair, 172. element, 173. helmet, 174. vice, 175. parachute, 176. altimeter, 177. fuel

178. ta___m approach *n.* a device or arrangement that allows two or more things to be connected or work together in a coordinated manner; a bicycle built for two people to ride in a line, with one behind the other
179. the great di_____ry of the century *n.* the act or process of finding information, a place, or an object, or learning about something that was previously not known
180. ha___ed the incident *v.* to deal with a situation, problem, or strong emotion
181. act as a pi_____r *n.* inventor; explorer; someone who is among the first to achieve something
182. eq__p our children with some special skills *v.* to provide a person or a place with the things that are needed for a particular purpose or activity
183. im_____se a joke *v.* to create or perform something on the spot, without preparation or planning; to use what one has available to do or create something
184. st__r a conversation *v.* to control the direction or movement of a vehicle; to direct a course of action; to guide or motivate someone
185. lack in mo_____ty *n.* the ability to move or be moved freely or easily from one place, job, or social class to another
186. put a ha_____s on my pet *v.* to control and exploit the power of something, especially natural resources that produce energy; (noun) a set of narrow pieces of leather and metal that are used to control or hold in place a person, animal, or object

ANSWERS: 178. tandem, 179. discovery, 180. handle, 181. pioneer, 182. equip, 183. improvise, 184. steer, 185. mobility, 186. harness

187. in_____al function
adj. necessary to make a whole complete; essential, or fundamental; combining with something else to form a whole; (noun, of mathematics) a fundamental concept in calculus that represents the area under a curve between two points on a graph
188. th_____l insulation
adj. relating to heat or temperature; designed for or capable of producing or maintaining heat
189. audit ch_____st
n. a list of items, tasks, or points to be considered or acted upon, used as a reminder and to ensure that all necessary steps have been taken
190. re_____nt our life
v. to change something so drastically that it looks to be completely new
191. surgical ins_____nts
n. an object used to make musical sounds, such as a piano, guitar, or drum; a tool or device used for a specific activity, particularly in specialist or scientific work
192. thrown out into mi_____r
n. some point in the air; above ground level
193. ru_____r movement
n. a flat, vertical blade at the rear of a vessel that can be turned horizontally to steer the vessel by changing its direction of movement; a device used in aircraft to control its yaw (side-to-side movement)
194. r__l a ball
v. to move in a particular direction by turning over and over or from side to side

ANSWERS: 187. integral, 188. thermal, 189. checklist, 190. reinvent, 191. instrument, 192. midair, 193. rudder, 194. roll

195. the na____or of the TV program *n.* a person who tells a story, especially in a book or film
196. acc_____te the car *v.* to make something faster or earlier; to cause to develop or progress more quickly
197. to___e condition *n.* a switch, button, or lever that can be used to turn a device or feature on or off or to switch between different options or modes; (verb) to switch between two different states, options, or modes, often repeatedly
198. a com_____ed process *adj.* involving a lot of different things or parts in a way that is difficult to understand or analyze
199. tu_____e energy *n.* a machine that rotates to generate power from fluids such as water or gas
200. 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
201. a puppet re___e *n.* the organization, a system, or method that is the governing authority of a political unit
202. th___t a plate away *v.* to push or drive forcibly; to impose or insert; (noun) the force used in pushing
203. as___e a lousy attitude to his boss *v.* to think or accept something to be true without having proof of it; to take or begin to have power; to begin to exhibit a specific quality or appearance

ANSWERS: 195. narrator, 196. accelerate, 197. toggle, 198. complicated, 199. turbine, 200. helicopter, 201. regime, 202. thrust, 203. assume

204. low al____de *n.* the height of an object or point in relation to sea level or ground level
205. st____ze prices *v.* to become or cause to become steady or unlikely to give way
206. civil av____on *n.* the activity or process of designing, building, flying, and maintaining aircraft
207. k__e string *n.* a toy made of a light frame covered with cloth or plastic and joined to a long string that you fly in the air
208. 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
209. f__e abroad *v.* to leave by running away, especially out of fear or danger
210. ge____e downward slope *adj.* having or showing a kindly or tender nature; soft and mild
211. ag__e in his movements *adj.* able to move quickly and easily, often in a way that is graceful and controlled
212. the f__p of wings *n.* a piece of material attached to a garment, sail, or aircraft which flaps in the wind; (verb) to move in a wavy pattern or with an up-and-down motion

ANSWERS: 204. altitude, 205. stabilize, 206. aviation, 207. kite, 208. develop, 209. flee, 210. gentle, 211. agile, 212. flap

Session 3: Fill in the Blanks

1. The lamp in the cabin burned _____ for light.
n. a flammable, colorless, or pale yellow liquid derived from the distillation of petroleum, used as a fuel for lamps, stoves, and heaters

2. I made a _____ of things to do before my vacation.
n. a list of items, tasks, or points to be considered or acted upon, used as a reminder and to ensure that all necessary steps have been taken

3. She flawlessly performed a _____ somersault.
n. some point in the air; above ground level

4. He has a _____ demeanor and always presents himself in a polished manner.
adj. having or showing the skill appropriate to a particular job; competent or skillful

5. The _____ imaging camera was used to detect heat signatures in the dark.
adj. relating to heat or temperature; designed for or capable of producing or maintaining heat

6. I have limited _____ in my arms.
n. the ability to move or be moved freely or easily from one place, job, or social class to another

7. The laundry _____ in the apartment building allows residents to drop their dirty clothes into the laundry room easily.
n. a steep, narrow slide or passage, often used for moving objects or people quickly and safely from a higher to a lower level; a channel or pathway that guides the flow of material, usually in a controlled manner

ANSWERS: 1. kerosene, 2. checklist, 3. midair, 4. professional, 5. thermal, 6. mobility, 7. chute

8. The _____ development process allowed the team to make changes quickly.
adj. able to move quickly and easily, often in a way that is graceful and controlled
9. We used a _____ to slide down the hill in the snow.
n. a vehicle used for traveling over snow or ice, typically consisting of a flat-bottomed frame mounted on runners, sometimes pulled by dogs or horses
10. She was diagnosed with a _____ buildup in her lungs.
n. a substance that can flow and is not solid
11. He slightly modified the _____ of training because it was just before a match.
n. the entire length of something, such as time or space from beginning to end; the amount of space that something covers
12. It is extremely _____ to sail in such a storm.
adj. involving the possibility of danger, failure, or loss
13. Her _____ manner relaxed everyone there.
adj. having or showing a kindly or tender nature; soft and mild
14. She received her _____ in psychology from the university.
n. a unit of measurement for angles, temperature, or level of proficiency or achievement; a rank or level of academic or professional attainment
15. The golfer recorded an _____ distance.
adj. extremely surprising, especially in a way that you like or admire
16. The plane flew at a high _____ to avoid turbulence.
n. the height of an object or point in relation to sea level or ground level

ANSWERS: 8. agile, 9. sled, 10. fluid, 11. span, 12. risky, 13. gentle, 14. degree, 15. amazing, 16. altitude

17. The idea of winning the lottery seemed so _____ that he didn't even bother buying a ticket.

adj. imaginary; not existing in fact

18. I'll _____ the online store to see if I can find that item in a different color.

v. to ride on or through waves while standing or lying down on a board or other object; to search or browse the Internet or other computer networks in a casual or aimless manner

19. They took the _____ step toward reconciliation.

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

20. The Sun _____ and caused a sudden brightening in the sky.

v. to burn brightly with a sudden, intense burst of flame or light; (noun) a sudden and brief burst of bright flame or light; a sudden and intense burst of radiation from the Sun's surface

21. John Whitney was a computer animation _____.

n. inventor; explorer; someone who is among the first to achieve something

22. We all should learn how to _____ stress.

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

23. The tower proved to be _____ in the high wind.

adj. lacking solidity, persistence, or firmness and therefore not strong, safe, or likely to continue; lacking control of one's emotions

24. I advised him to _____ to his new surroundings.

v. to make fit for or change to suit a new purpose or environment

ANSWERS: 17. unreal, 18. surf, 19. initial, 20. flared, 21. pioneer, 22. handle, 23. unstable, 24. adapt

25. People have been exploring ways to _____ natural forces and resources since ancient times.
- v.* to control and exploit the power of something, especially natural resources that produce energy; (noun) a set of narrow pieces of leather and metal that are used to control or hold in place a person, animal, or object
26. The ____ scarcity most severely impacted the manufacturing sector
- n.* a substance that is typically burned to generate heat or energy
27. The army used a _____ to launch large rocks over the castle walls.
- n.* a device used to hurl an object a long distance
28. The busy road was closed for a few hours for a railway _____.
- n.* the act of going from one side to the other; a place where roads, railway tracks, or rivers intersect
29. Effective communication is an _____ part of any successful team.
- adj.* necessary to make a whole complete; essential, or fundamental; combining with something else to form a whole; (noun, of mathematics) a fundamental concept in calculus that represents the area under a curve between two points on a graph
30. We do move forward with those tasks in _____ next week.
- n.* a series of related events, actions, numbers, etc., which have a particular order
31. An _____ attitude toward its employees significantly impacts their productivity.
- n.* a person or organization that pays workers to work for them
32. Her research team made an important _____.
- n.* the act or process of finding information, a place, or an object, or learning about something that was previously not known

ANSWERS: 25. harness, 26. fuel, 27. catapult, 28. crossing, 29. integral, 30. sequence, 31. employer's, 32. discovery

33. This year's _____ gathering will be held in Canada.

adj. important and large in size, scope, or extent

34. It is a basic instinct to _____ from a dangerous situation.

v. to leave by running away, especially out of fear or danger

35. The _____ on the plane measures the altitude above sea level.

n. a device used to measure altitude, especially in aircraft, by sensing changes in atmospheric pressure

36. The _____ expert analyzed the fluid around the aircraft.

n. the activity or process of designing, building, flying, and maintaining aircraft

37. The Chinese people have accomplished several _____ feats.

adj. famous or significant in history, or potentially so

38. The government tried to _____ the commercialization of this development.

v. to make something faster or earlier; to cause to develop or progress more quickly

39. The _____ of getting the disease will drastically increase.

n. a chance that something may happen or be true

40. The _____ exercised great care in landing.

n. a person who flies an aircraft, especially as a job; a person qualified to guide ships through a difficult area of water

41. Police will _____ random breath testing for drunk driving.

v. to organize and carry out a particular activity

ANSWERS: 33. grand, 34. flee, 35. altimeter, 36. aviation, 37. historic, 38. accelerate, 39. possibility, 40. pilot, 41. conduct

42. Cats hate dogs and _____ versa.

n. wrongdoing or wicked behavior; (in the form of vice versa) with the order reversed; (as a prefix) someone with a job immediately below a particular person

43. The content is _____ and informative for me.

adj. sharply exact or accurate or delimited

44. The workers had to dig through solid rock to create the vehicular _____ allowing the cars to pass through the mountain.

n. an underground or underwater passage, typically for trains or cars

45. The wind _____ were spinning rapidly, generating clean energy for the nearby town.

n. a machine that rotates to generate power from fluids such as water or gas

46. She did well on her _____ exam.

n. a field of science devoted to the study of the lands, features, inhabitants, and phenomena of the Earth

47. 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

48. The passenger grabbed for the _____ mask.

n. the chemical element with the symbol O that is present in air and water and is necessary for people, animals, and plants to live

49. This electronic _____ is required to undergo periodic inspections to ensure precision.

n. an object used to make musical sounds, such as a piano, guitar, or drum; a tool or device used for a specific activity, particularly in specialist or scientific work

ANSWERS: 42. vice, 43. precise, 44. tunnel, 45. turbines, 46. geography, 47. movement, 48. oxygen, 49. instrument

50. The _____ bears the weight of the overhead bridge.
- n.* a curved structure with two supports that holds the weight of something above it, such as a bridge or the upper part of a building
51. The _____ on the wall showed that the room was three meters long.
- n.* a device used to measure the amount of a particular substance or attribute, such as length, volume, or time; (prosody) the accent in a metrical foot of verse
52. The airplane's _____ was damaged in the emergency landing.
- n.* the main body of an aircraft, including the cockpit, passenger compartments, and cargo holds
53. We had to _____ a tent using a tarp and sticks since we didn't have a proper one.
- v.* to create or perform something on the spot, without preparation or planning; to use what one has available to do or create something
54. Higher _____ requires additional equipment and energy.
- n.* the state of being undiluted or unmixed with anything else; the state of being free from immorality, especially of a sexual nature
55. We are motivated by _____ rather than necessity.
- n.* a strong desire to know or learn about something
56. The animal rights group worked to _____ the dolphins back into the wild.
- v.* to set free or allow to escape from confinement
57. An _____ sigh from the back of the room broke the silence.
- adj.* able to be heard; loud enough to be heard clearly

ANSWERS: 50. arch, 51. meter, 52. fuselage, 53. improvise, 54. purity, 55. curiosity, 56. release, 57. audible

58. The ship navigated through the _____ with great care.
- n.* a narrow stretch of water or sea connecting two larger bodies of water or seas
59. 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
60. He stood at the edge of the _____ and looked out to sea.
- n.* a steep rock face, especially one at the edge of the sea or a river
61. The facility manager _____ the security guards to be on high alert.
- v.* to teach someone practical skills or knowledge; to formally order or tell someone to do something
62. There will be an _____ lecture for new students this afternoon.
- n.* a person's basic attitudes, beliefs, and preferences about particular things; a course introducing a new situation or environment
63. The sperm whale can _____ to 1,000 meters.
- v.* to jump into the water with your head and arms going in first, or to move down to a deeper level underwater
64. Many people in this city use the _____ railway for transportation.
- n.* a shape like a curve or a circle made by something long and thin, such as a piece of string, that bends round and crosses itself
65. The captain told him to _____ the ship north.
- v.* to control the direction or movement of a vehicle; to direct a course of action; to guide or motivate someone

ANSWERS: 58. strait, 59. helicopter, 60. cliff, 61. instructed, 62. orientation, 63. dive, 64. loop, 65. steer

66. The water level was even with the basin's ____.
- n.* the edge of something in the shape of a more or less circular object
67. Benjamin Franklin proved that lightning is electricity through experiments with ____.
- n.* a toy made of a light frame covered with cloth or plastic and joined to a long string that you fly in the air
68. The following example _____ that the capacity of each battery is the same.
- v.* to think or accept something to be true without having proof of it; to take or begin to have power; to begin to exhibit a specific quality or appearance
69. This training includes emergency escape drills with _____.
- n.* a device used to slow the motion of people or objects through an atmosphere consisting of a large piece of thin cloth that is attached to them and opens out in the air
70. They have tried to _____ their grocery stores.
- v.* to change something so drastically that it looks to be completely new
71. The sports _____ provided detailed analysis throughout the game.
- n.* a person who provides commentary or analysis, particularly about a specific event, topic, or field, such as sports, news, or politics
72. Totalitarian _____ are less likely to innovate because they deprive individuals of economic incentives.
- n.* the organization, a system, or method that is the governing authority of a political unit
73. The painting is _____ and there is no other like it.
- adj.* being the only one of its kind; unlike anything else

ANSWERS: 66. rim, 67. kites, 68. assumes, 69. parachutes, 70. reinvent, 71. commentator, 72. regimes, 73. unique,

74. The construction company _____ the building with an earthquake-resistant device.
- v.* to provide a person or a place with the things that are needed for a particular purpose or activity
75. You need to use the _____ button to switch between the night and day modes on the app.
- n.* a switch, button, or lever that can be used to turn a device or feature on or off or to switch between different options or modes; (verb) to switch between two different states, options, or modes, often repeatedly
76. The policies he announces can be the _____ of economic growth in the country.
- n.* a machine that converts thermal energy to mechanical work; something that has an important role used to achieve a purpose
77. The mosquito is a common _____ for many diseases, including malaria and Zika.
- n.* a quantity that has both magnitude and direction, often used in mathematics, physics, and engineering to describe forces, velocities, or other physical phenomena; any agent (person or animal, or microorganism) that carries and transmits a disease
78. The _____ of the tent was open, letting in the fresh air.
- n.* a piece of material attached to a garment, sail, or aircraft which flaps in the wind; (verb) to move in a wavy pattern or with an up-and-down motion
79. The athlete tightened the _____ on his running shoes before the race.
- n.* a long, narrow strip or belt of leather, fabric, or another material used for binding, fastening, or supporting something or someone; a band or string that attaches one object to another, often used to secure items during transport

ANSWERS: 74. equipped, 75. toggle, 76. engine, 77. vector, 78. flap, 79. strap

80. The Grand _____ has an awe-inspiring sight.

n. a large deep valley with very steep sides of rock and usually formed by a river

81. Natural selection is an essential _____ in Darwin's theory of evolution.

n. a fundamental or essential part of something

82. It seems _____ that he has forgotten our scheduled meeting.

adj. likely to happen or likely to be true

83. I don't _____ take a vacation in the middle of summer.

adv. usually; under normal conditions

84. Character _____ is one of the goals of education.

n. the way something is created naturally or the way it has been arranged

85. The hiker got pricked by a _____ needle while walking.

n. a plant that typically grows in dry regions and has spiny leaves, stems, and often vibrant flowers

86. The raising of interest rates _____ the inflation rate.

v. to become or cause to become steady or unlikely to give way

87. The plane made a rough _____ and everyone clapped once we came to a stop.

n. the act of coming to rest on the ground or another surface after being in flight or jumping; a platform or area of ground where a plane or spacecraft can come to rest

88. Our immune system can _____ disease germs from the body.

v. to force someone to put out or leave a particular place or position

ANSWERS: 80. Canyon, 81. element, 82. probable, 83. normally, 84. formation, 85. cactus, 86. stabilizes, 87. landing, 88. eject

89. The _____ makes use of the local dialect.
n. a person who tells a story, especially in a book or film
90. Efficiency isn't an essential _____ here; fairness is.
n. a fundamental law or truth that explains or controls how something happens or works
91. The _____ of Japan is known for its unique culture and advanced technology.
n. a large organized community of people living in a particular country or region and having a particular culture
92. Advocates for legal reform hear less harsh words from their _____.
n. someone who expresses opinions about the quality of books, music, etc.
93. We will explain the countermeasure concerning this problem _____.
adv. after the time mentioned
94. The worker survived the impact because they were wearing sturdy _____.
n. a protective covering for the head, worn for safety or as part of a uniform or ceremonial dress
95. The engine _____ the rocket into space.
v. to push or drive forcibly; to impose or insert; (noun) the force used in pushing
96. He did _____ pen-and-ink drawings in just a few days.
adj. involving a lot of different things or parts in a way that is difficult to understand or analyze
97. He was exhausted and _____ into bed as soon as he got home.
v. to move in a particular direction by turning over and over or from side to side

ANSWERS: 89. narrator, 90. principle, 91. nation, 92. critics, 93. afterward, 94. helmets, 95. thrust, 96. complicated, 97. rolled

98. The marine _____ manufacturer demonstrated their newest hydroplane.
n. any vehicle that can fly and carry things or passengers, such as a plane or helicopter
99. The fire department arrived just in time to _____ the family from the burning building.
v. to save someone or something from a dangerous or difficult situation
100. Please _____ her with the furniture relocation.
v. to help someone in doing anything
101. 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
102. The tornado is _____ across the countryside, destroying everything in its path.
v. to cause something to rotate rapidly; to cause someone to feel dizzy or disoriented
103. The small boat's _____ was damaged in the storm, making it difficult to steer.
n. a flat, vertical blade at the rear of a vessel that can be turned horizontally to steer the vessel by changing its direction of movement; a device used in aircraft to control its yaw (side-to-side movement)
104. The _____ bike ride was fun for the couple to enjoy together.
n. a device or arrangement that allows two or more things to be connected or work together in a coordinated manner; a bicycle built for two people to ride in a line, with one behind the other

ANSWERS: 98. aircraft, 99. rescue, 100. assist, 101. develop, 102. spinning, 103. rudder, 104. tandem

105. The shark's powerful _____ allowed it to swim at high speeds.

n. a thin flat part on the body of a fish or other aquatic animal used for propulsion or balance

106. The rain and thunder are _____ today.

adj. stupid or not sensible; very angry

ANSWERS: 105. fins, 106. crazy