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Ralph Langner: Cracking Stuxnet, a 21st-century cyber weapon | TED Talk

https://www.ted.com/talks/ralph_langner_cracking_stuxnet_a_21st_century_cyber_weapon

All Words

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Session 1: Word List

worm

n. a long, thin creature with a soft and long cylindrical tube-like body, no limbs, and a lack of eyes

(1) wiggly **worms**, (2) can of **worms**

Worms help dispose of the food waste produced by humans.

bomb

n. a weapon that explodes and is used to kill or injure people or to cause damage to something

synonym: missile, explosive, ammunition

(1) atomic **bombs**, (2) disarm the **bomb**

The use of cluster **bombs** is strictly prohibited by international law.

asset

n. something or someone that is useful or valuable quality, skill, etc.; valuable property

synonym: aid, resource, equity

(1) frozen **assets**, (2) liquid **assets** of the company

A sense of humor is an invaluable **asset** in this job.

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.

nuclear

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

synonym : atomic

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

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

uranium

n. a chemical element with the symbol U, atomic number 92, that is a dense, silvery-white metal that is radioactive and is used as a fuel for nuclear power plants

synonym : U

(1) **uranium** mining, (2) radioactive **uranium** isotope

The mining and processing of **uranium** can lead to releasing radioactive materials into the environment.

enrich

v. to make better or improve in quality by adding something else

synonym : enhance, improve, augment

(1) **enrich** a gas with a balloon, (2) **enrich** public services

Reading not only increases knowledge but also **enriches** life.

facility

n. a building or place that provides a particular service or is used for a particular industry

synonym : building, structure, installation

(1) a cell phone with an internet **facility**, (2) **facility** design

This company has an entire recycling **facility**, including major reprocessing plants.

compromise

v. to settle a problem or disagreement by mutual concession

synonym : agree, settle, negotiate

(1) **compromise** the matter, (2) cannot **compromise** anymore

They never **compromised** on development despite the lack of funds.

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.

centrifuge

n. a machine that uses centrifugal force (= a type of inertial force that appears to act on an object moving in a circular path and is directed away from the center) to separate substances of different densities, especially to separate liquids from solids

synonym: separator, extractor, spinner

(1) **centrifuge** tube, (2) ultra-high-speed **centrifuges**

The laboratory technician placed the blood samples in the **centrifuge** to separate the different components.

software

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

synonym: program, system, operating system

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

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

virus

n. a tiny infectious organic material that causes disease in people, animals, and plants

synonym: bacterium, germ, ailment

(1) spread of the **virus**, (2) a strain of **virus**

An infected person in the hospital will likely pass the **virus** to others.

maintenance

n. the act or process of keeping something, either artificial materials or living things, in good condition; the money needed for a person's or family's living expenses

synonym : care, perpetuation, support

(1) the **maintenance** of the car, (2) **maintenance** work

We have decided to extend our **maintenance** contract until next year.

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.

configure

v. to set up or arrange something in a particular way or for a specific purpose

synonym : arrange, set up, organize

(1) **configure** alarm notification, (2) **configure** options

I need to **configure** my computer's settings to connect to the internet.

plot

n. a secret plan or scheme to achieve a specific goal; the plan or main story of a literary work; (verb) to plan secretly, usually something illegal

synonym : scheme, plan, design

(1) **plot** twist, (2) **plot** a revolution

The **plot** of the novel centers around a group of friends who uncover a conspiracy to control the world's water supply.

payload

n. the amount of cargo or goods that a vehicle or equipment is designed to carry or transport; in computing, the amount of data that can be transmitted over a communication system

synonym : cargo, freight, shipment

(1) **payload** capacity, (2) satellite **payload**

The **payload** for the rocket launch included several satellites and scientific instruments.

damage

v. to harm or cause injury to something or someone, often resulting in decreased value or functionality; to impair or negatively affect something, such as a reputation or relationship; (noun) harm or injury that is caused to a person, thing, or entity

synonym : harm, impair, injure

(1) **damage** a relationship, (2) **damage** assessment

During the surgery, the doctor had to be extremely cautious not to **damage** a blood vessel.

delay

v. to cause something to happen at a later time than originally intended or expected

synonym : block, adjourn, detain

(1) **delay** a flight three hours, (2) **delay** the new project

We **delayed** the payment because of an incorrect invoice.

accomplished

adj. having completed a task or achieved a goal successfully; skilled or proficient at something

synonym : achieved, finished, completed

(1) **accomplished** at a very early age, (2) **accomplished** goal

She felt **accomplished** after finishing her book.

complexity

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

synonym : intricacy, sophistication, elaboration

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

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

vulnerable

adj. capable of being hurt or influenced physically or mentally

synonym : susceptible, exposed, weak

(1) a **vulnerable** bridge, (2) **vulnerable** parts of the body

Infants and pregnant women are particularly **vulnerable**.

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**.

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

synonym: pollute, contaminate, affect

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

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

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**.

sniff *v.* to inhale audibly through the nose, often to detect or identify a smell; to draw in air through the nostrils with a quick, audible intake of breath

synonym: smell, inhale, scent

(1) **sniff** the air, (2) **sniff** the perfume

The dog stopped to **sniff** around the tree, looking for something interesting.

experiment *n.* the scientific test conducted to observe what happens and gain new knowledge

synonym: experimentation, investigation

(1) **experiment** design, (2) series of **experiments**

His **experiments** showed highly positive results.

flavor *n.* the taste sensation produced by a substance in the mouth

synonym : taste, savor, essence

(1) a delicate **flavor**, (2) **flavor** enhancer

The **flavor** of the coffee was rich and full-bodied.

prowl

v. to move about stealthily, especially in search of prey or as part of a criminal act; to wander or roam around aimlessly or restlessly

synonym : creep, sneak, lurch

(1) **prowl** the streets, (2) **prowl** for food

The predator began to **prowl** around the forest's edge, searching for prey.

actively

adv. in a way that involves taking action or participating actively; with energy and determination

synonym : energetically, vigorously, diligently

(1) **actively** participate, (2) **actively** engage

I am **actively** looking for a new job opportunity.

specific

adj. clearly defined or particular to a certain thing or situation; distinct, explicit, and precise

synonym : particular, definite, distinct

(1) **specific** instructions, (2) industry- **specific** regulations

The scientist conducted a study that provided **specific** details about the species' behavior.

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.

chemical

adj. relating to or connected with chemistry;

synonym : chemic, synthetic

(1) toxic **chemicals**, (2) a **chemical** compound

The firm has grown into a large **chemical** manufacturing.

extract

n. a short passage taken from a book, piece of music, etc.; a substance obtained from something through a specific process; (verb) to obtain from something or to remove something by effort or force

synonym: excerpt, quote, distillation

(1) a brief **extract** from the book, (2) botanical **extract**
Anesthetize the gum before **extracting** the teeth.

compile

v. to create a book, a list, a report, etc., by combining various objects, articles, music, etc.

synonym: assemble, collect, gather

(1) **compile** a biography, (2) **compile** the data

We are attempting to **compile** a list of qualified candidates for the position.

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**.

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.

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.

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.

obvious

adj. easy to see, discover or understand

synonym : apparent, conspicuous, evident

(1) **obvious** reasons, (2) his conclusion was **obvious**

There are **obvious** differences between the two wine-producing regions.

insider

n. a person who has privileged access to special or secret information about a particular organization or field

synonym : mole, privileged person

(1) **insider** trading, (2) company **insider**

He's a Wall Street **insider** with a lot of valuable information.

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.

operator

n. a person who uses and controls machinery or equipment; a mathematical symbol used to perform calculations

synonym : controller, handler, manipulator

(1) **operator** error, (2) an elevator **operator**

The **operator** of the machine must follow strict safety protocols.

technological

adj. based on scientific and industrial progress

synonym : specialized, technical

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

Technological advances have disrupted many industries.

rocket

n. a large tube-shaped object that moves very fast by a stream of gases let out behind it, used for space travel or as a weapon

synonym : projectile, missile

(1) **rocket** attack against the enemy, (2) **rocket** fuel

The **rocket** launch platform is visible from this hill.

assembly

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

synonym : crowd, gathering, mass

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

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

function

n. the purpose or use of an object, system, or process; a particular activity or operation that is designed to serve a specific purpose; a mathematical concept that describes a relationship between two sets of values, called the input and output sets; (verb) to operate or work in a specific way, or to perform a particular task or purpose

synonym : purpose, mapping, job

(1) **function** properly, (2) immune **function**

The brain is an incredibly complex organ that controls the body's **function**.

relate

v. to establish a connection or association between two or more things; to narrate or tell about an event, experience, or relationship; to empathize or feel sympathy with someone or something

synonym : connect, link, associate

(1) **relate** a story, (2) **relate** a message

He tried to **relate** his experience to the group, but they

couldn't understand.

disprove

v. to show that something is not true or correct

synonym: refute, discredit, invalidate

(1) **disprove** global warming, (2) **disprove** the conjecture

The researchers were unable to **disprove** the theory.

definitely

adv. without any question and beyond doubt; clearly

synonym: absolutely, certainly, indeed

(1) **definitely** become a problem, (2) say **definitely**

The paper is **definitely** worth reading thoroughly.

hard-core

n. a subgroup or subculture within a larger group or community that is characterized by a particularly intense, committed, or extreme set of practices, beliefs, or values

synonym: hard-line, purist, fanatic

(1) **hard-core** group, (2) **hard-core** music fan

The **hard-core** gamers were up until 4 am playing video games.

sabotage

n. the deliberate and malicious damage, destruction, or disruption of equipment, machinery, or other property, often by someone with a particular agenda or motive; the subversion of an organization or institution by secret agents or spies

synonym: sabotage, subversion, destruction

(1) act of **sabotage**, (2) **sabotage** mission

The **sabotage** of the factory's equipment caused significant damage.

locate

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

synonym: discover, find, place

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

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

infection

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

synonym: contagion, disease, transmission

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

Hospitals must meet various standards to prevent nosocomial **infections**.

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

assistant

n. someone who helps or supports someone else to do a job

synonym: aide, helper, associate

(1) an unwilling **assistant**, (2) **assistant** professor

An executive **assistant** director administers each branch.

brain

n. the organ inside the head that is responsible for one's movement, thought, memory, and feeling

synonym: intellect, mind, encephalon

(1) basic **brain** function, (2) permanent **brain** damage

X-rays revealed a small tumor in his **brain**.

expertise

n. specialized knowledge or skills in a particular field or subject; expert proficiency or knowledge

synonym: knowledge, skill, mastery

(1) marketing **expertise**, (2) demonstrate **expertise**

The company's success can be attributed to the **expertise** of its employees.

associate

v. to mentally connect someone or something with someone or something else

synonym: tie in, link, consociate

(1) **associate** alcohol with gambling, (2) **associate** with people widely

The majority of consumers **associate** this brand with quality.

warhead

n. the explosive or destructive part of a missile, rocket, or other weapons that are designed to explode on impact or detonation

synonym : payload, explosive

(1) **warhead** missile, (2) nuclear **warhead**

The missile launch was successful, and the **warhead** hit its intended target.

rot

v. to decay, or cause something to decay, naturally and gradually

synonym : perish, decay, corrode

(1) begin to **rot**, (2) **rot** with age

Please refrigerate the meat, or it will **rot**.

moving

adj. causing strong emotions or feelings, especially sadness or sympathy

synonym : emotional, poignant, touching

(1) **moving** experience, (2) **moving** ceremony

His **moving** speech about his struggles with addiction brought tears to the audience's eyes.

manipulate

v. to influence or control something or someone to your advantage, often in an unfair or dishonest way

synonym : control, exploit, abuse

(1) **manipulate** figures, (2) vulnerable to **manipulate**

Please tell me how to **manipulate** this computer.

crack

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

synonym : snap, burst, break

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

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

eventually

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

synonym : finally, someday, ultimately

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

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

explode

v. to burst or break open violently and noisily; to cause something to burst or break open

synonym : detonate, blast, rupture

(1) **explode** in anger, (2) **explode** in popularity

The old building **exploded** in a fiery inferno.

creepy

adj. causing an uneasy feeling of fear or unease

synonym : eerie, unsettling, spooky

(1) feel **creepy**, (2) **creepy** atmosphere

The old, abandoned house was **creepy** and gave me the chills.

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.

overlook

v. to fail to notice something; to watch over someone; to provide a view from above

synonym : disregard, look down, supervise

(1) **overlook** a street, (2) **overlook** that fact

We cannot **overlook** an opportunity for great success.

literature

n. written works, such as novels, plays, poems, or short stories that are considered to have artistic or intellectual value

synonym : writing, prose, fiction

(1) popular **literature**, (2) review of the **literature**
The **literature** of the Romantic period is known for its emotion and imagination.

cascade

n. a small waterfall or series of small waterfalls; a succession of stages or operations or processes or units
synonym: waterfall, watercourse, step

(1) **cascade** connection, (2) transistor **cascade**
The **cascade** of waterfalls in the national park was a breathtaking sight.

subdivision

n. a smaller part of something that is divided into such parts
synonym: part, section, branch

(1) an administrative **subdivision**, (2) **subdivision** of cells
The city is divided into several smaller **subdivisions**.

identical

adj. being the exact same one
synonym: duplicate, exact, analogous

(1) pair of **identical** twins, (2) an **identical** equation
Infant formulas are nutritionally almost **identical** to a mother's breast milk.

confidence

n. the feeling or attitude that one can trust or rely on the abilities or good qualities of someone or something
synonym: self-trust, certainty, belief

(1) **confidence** as a teacher, (2) boost my **confidence**
Skill and **confidence** are an unconquered army.

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?

labor

n. productive work, especially physical work done for wages; the people who do manual or physical work in a

country or company for wage; (verb) to work hard or to strive and make an effort to reach a goal

synonym : toil, toil, donkeywork

(1) seasonal **labor**, (2) manual **labor**

In several countries, child **labor** is a serious social problem.

recover

v. to return to a former condition, health, mind, or strength

synonym : come back, convalesce, heal

(1) **recover** a loss, (2) **recover** approval ratings

She is still **recovering** from a shot to her shoulder.

aim

v. to try or plan to get or achieve something

synonym : aspire, direct, target

(1) **aim** at a specific target, (2) **aim** to be a nurse

We **aim** for an overseas expansion.

spinning

n. the act of rotating rapidly around an axis; in the context of textiles, the process of twisting fibers together to form thread or yarn

synonym : whirling, rotating, spinning wheel

(1) **spinning** machine, (2) **spinning** wheel

She took a **spinning** class at the gym to improve her cardiovascular fitness.

confident

adj. feeling sure about your abilities or qualities or having trust in people, plans, or the future

synonym : certain, sure, convinced

(1) feel **confident**, (2) a **confident** remark

I'm not **confident** in our victory.

determinant

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

synonym : cause, factor, element

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

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

intercept

v. to stop and catch someone or something to prevent them from continuing to a destination

synonym : ambush, block, prevent

(1) **intercept** an enemy force, (2) **intercept** X rays

It is illegal to **intercept** police radio.

sensor

n. a device that receives a signal or stimulus such as heat, pressure, light, motion, etc. and responds to it in a specific manner

synonym : detector

(1) motion **sensor** lighting, (2) an image **sensor**

This automatic door could no longer be opened due to a **sensor** failure.

vibration

n. a continuous quick and slight shaking movement

synonym : oscillation, fluctuation, reverberation

(1) protection against **vibration**, (2) sympathetic **vibration**

Vibration displaced part of the mechanism.

legitimate

adj. accordant with or allowed by law; lawful

synonym : lawful, honest, fair

(1) a **legitimate** child, (2) **legitimate** question

Public political demonstrations are considered **legitimate** rights for citizens.

fake

adj. not genuine; fraudulent or counterfeit

synonym : affected, bogus, counterfeit

(1) **fake** police officer, (2) spread of **fake** news

The prime minister was not well prepared for the debate and **faked** it

heist

n. a crime in which expensive items are illegally and frequently violently removed from a location or person

synonym :

robbery, theft, rip-off

(1) **heist** man, (2) jewel **heist**

Several airport security staff were involved in the **heist**.

observation

n. the act or activity of carefully examining or monitoring something or someone

synonym: watching, notice, reflection

(1) class **observation** day, (2) **observation** instrument

In the hospital, she will remain under constant **observation**.

aggressive

adj. behaving in an angry, energetic, or threatening way towards another person; tending to spread quickly

synonym: assertive, combative, threatening

(1) an **aggressive** war, (2) an **aggressive** tumor

An **aggressive** tide wrecked the ship.

circumvent

v. to go around, avoid, or bypass something, often to achieve an intended goal or objective; to outmaneuver or outsmart a person or obstacle

synonym: evade, bypass, outsmart

(1) **circumvent** rules, (2) **circumvent** authority

I took a back road to work on time to **circumvent** the traffic jam.

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.

relief

n. a feeling of happiness and relaxation that comes when something burdensome is removed or reduced

synonym: remedy, consolation, alleviation

(1) tax **relief**, (2) sigh of **relief**

He devoted his life to establishing a humanitarian **relief** fund.

scare

v. to frighten a person or animal, or to become frightened
synonym: frighten, spook, intimidate

(1) **scare** off her attacker by screaming, (2) **scare** the birds away

We hit the ground to **scare** out the rabbits.

generic

adj. not specific; not linked to a particular brand or product
synonym: common, ordinary, typical

(1) a **generic** product, (2) **generic** version

The **generic** aspirin brand was just as effective as the name brand but much cheaper.

specify

v. to explain or state something clearly and exactly
synonym: establish, pinpoint, identify

(1) **specify** a cause, (2) **specify** an option

You can **specify** the font color by clicking the Color tab.

automobile

n. a road vehicle that has four wheels and is powered by an engine, used for transporting people or goods
synonym: car, vehicle, motorcar

(1) driverless **automobile**, (2) **automobile** insurance

The **automobile** industry is a major contributor to air pollution in cities.

stick

v. to put something, usually a sharp object, into something; to restrict yourself to doing or using one certain thing and not change; (noun) a thin piece of wood or other material

synonym: pierce, adhere, stay

(1) **stick** a key in a lock, (2) fire **stick**

You **stick** a bill in the change machine, and the coins pop out.

conventional

adj. based on or following traditional rules, standards, customs, etc.

synonym: ancestral, customary, established

(1) a **conventional** style, (2) get a **conventional** loan
She is very **conventional** in her thoughts.

cyber

adj. relating to or involving computers, computer networks, or virtual reality

synonym: digital, computer, Internet

(1) **cyber** bullying, (2) **cyber** crime

Cyber espionage between countries can have serious consequences.

mass

n. a large amount of a substance with no definite shape or form; a large number of people or things grouped or crowded together

synonym: abundance, crowd, mob

(1) a **mass** of molten rock, (2) critical **mass**

The **mass** of people who do not own property is politically impotent.

destruction

n. the act of causing so much damage to something

synonym: devastation, annihilation, ruin

(1) path of **destruction**, (2) cyclonic **destruction**

The extinction of several subspecies has been linked to climate change and habitat **destruction**.

consequence

n. the outcome of a particular action or event, especially relative to an individual

synonym: result, impact, outcome

(1) unintended **consequences**, (2) the **consequence** of an argument

These economic activities had disastrous environmental **consequences**.

unfortunately

adv. by bad luck; unluckily

synonym: regrettably, unluckily, alas

(1) **unfortunately** caught in a shower, (2) even more **unfortunately**

The treatments were done but, **unfortunately**, were unsuccessful.

statistics

n. the discipline that concerns the collection, organization, analysis, interpretation, and presentation of data

(1) **statistics** for cancer, (2) official **statistics**

The **statistics** demonstrate that poverty and unemployment are genuine problems.

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.

entity

n. something that exists independently and has its own identity

synonym: body, object, existent

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

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

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.

superpower

n. a country or nation that has significant global influence or formidable military, economic, or technological strength; a supernatural ability or force capable of extraordinary feats or feats beyond normal human capabilities

synonym : great power, empire, hegemony

(1) **superpower** country, (2) **superpower** leader

The ability to fly like a bird is often considered a **superpower** in comic books and movies.

fortunate

adj. having good luck or lucky

synonym : fortuitous, lucky, blessed

(1) **fortunate** situation, (2) less **fortunate** person

He was pretty **fortunate** to pass the exam.

daylight

n. the natural light produced by the sun during the day, especially in contrast to artificial light or darkness

synonym : sunlight, daytime, day

(1) **daylight** hours, (2) natural **daylight**

The view of the city skyline from the top of the building looked amazing in the **daylight**.

Session 2: Spelling

1. review of the lit_____re
n. written works, such as novels, plays, poems, or short stories that are considered to have artistic or intellectual value
2. motion se___r lighting
n. a device that receives a signal or stimulus such as heat, pressure, light, motion, etc. and responds to it in a specific manner
3. a cr__k in a board
v. to break or cause to break without dividing into separate parts; (noun) a line on the surface of something along which it has separated without breaking
4. critical m__s
n. a large amount of a substance with no definite shape or form; a large number of people or things grouped or crowded together
5. ov_____ok a street
v. to fail to notice something; to watch over someone; to provide a view from above
6. da___e a relationship
v. to harm or cause injury to something or someone, often resulting in decreased value or functionality; to impair or negatively affect something, such as a reputation or relationship; (noun) harm or injury that is caused to a person, thing, or entity
7. re___e a story
v. to establish a connection or association between two or more things; to narrate or tell about an event, experience, or relationship; to empathize or feel sympathy with someone or something

ANSWERS: 1. literature, 2. sensor, 3. crack, 4. mass, 5. overlook, 6. damage, 7. relate

8. in_____pt an enemy force *v.* to stop and catch someone or something to prevent them from continuing to a destination
9. an elevator op_____or *n.* a person who uses and controls machinery or equipment; a mathematical symbol used to perform calculations
10. ex_____e in popularity *v.* to burst or break open violently and noisily; to cause something to burst or break open
11. wa_____d missile *n.* the explosive or destructive part of a missile, rocket, or other weapons that are designed to explode on impact or detonation
12. government en_____y *n.* something that exists independently and has its own identity
13. p__t a revolution *n.* a secret plan or scheme to achieve a specific goal; the plan or main story of a literary work; (verb) to plan secretly, usually something illegal
14. demonstrate ex_____se *n.* specialized knowledge or skills in a particular field or subject; expert proficiency or knowledge
15. cr__y about cars and racing *adj.* stupid or not sensible; very angry
16. feel co_____nt *adj.* feeling sure about your abilities or qualities or having trust in people, plans, or the future
17. tec_____cal policy *adj.* based on scientific and industrial progress

ANSWERS: 8. intercept, 9. operator, 10. explode, 11. warhead, 12. entity, 13. plot, 14. expertise, 15. crazy, 16. confident, 17. technological

18. ac____ly participate *adv.* in a way that involves taking action or participating actively; with energy and determination
19. engine con_____ion *n.* the arrangement or pattern of something or a group of related things
20. cir_____nt authority *v.* to go around, avoid, or bypass something, often to achieve an intended goal or objective; to outmaneuver or outsmart a person or obstacle
21. as_____nt professor *n.* someone who helps or supports someone else to do a job
22. a ch_____al compound *adj.* relating to or connected with chemistry;
23. sup_____er country *n.* a country or nation that has significant global influence or formidable military, economic, or technological strength; a supernatural ability or force capable of extraordinary feats or feats beyond normal human capabilities
24. a leg_____te child *adj.* accordant with or allowed by law; lawful
25. cy__r bullying *adj.* relating to or involving computers, computer networks, or virtual reality
26. in___t a computer with a virus *v.* to affect a person, an animal, or a plant with a disease-causing organism
27. chaotic env_____nt *n.* the natural world such as air, water, and land in which humans, animals, and plants live
28. ur_____m mining *n.* a chemical element with the symbol U, atomic number 92, that is a dense, silvery-white metal that is radioactive and is used as a fuel for nuclear power plants

ANSWERS: 18. actively, 19. configuration, 20. circumvent, 21. assistant, 22. chemical, 23. superpower, 24. legitimate, 25. cyber, 26. infect, 27. environment, 28. uranium

29. can of w__ms *n.* a long, thin creature with a soft and long cylindrical tube-like body, no limbs, and a lack of eyes
30. ultra-high-speed cen_____ges *n.* a machine that uses centrifugal force (= a type of inertial force that appears to act on an object moving in a circular path and is directed away from the center) to separate substances of different densities, especially to separate liquids from solids
31. in_____r trading *n.* a person who has privileged access to special or secret information about a particular organization or field
32. di_____ve the conjecture *v.* to show that something is not true or correct
33. protection against vi_____on *n.* a continuous quick and slight shaking movement
34. say def_____ly *adv.* without any question and beyond doubt; clearly
35. an unwilling as_____nt *n.* someone who helps or supports someone else to do a job
36. 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
37. pr__l for food *v.* to move about stealthily, especially in search of prey or as part of a criminal act; to wander or roam around aimlessly or restlessly

ANSWERS: 29. worm, 30. centrifuge, 31. insider, 32. disprove, 33. vibration, 34. definitely, 35. assistant, 36. digital, 37. prowl

38. medical l_b *n.* a workplace for the conduct of scientific research; a laboratory
39. de__y the new project *v.* to cause something to happen at a later time than originally intended or expected
40. man_____te figures *v.* to influence or control something or someone to your advantage, often in an unfair or dishonest way
41. 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
42. pair of id_____al twins *adj.* being the exact same one
43. spread of the vi__s *n.* a tiny infectious organic material that causes disease in people, animals, and plants
44. immune fu_____on *n.* the purpose or use of an object, system, or process; a particular activity or operation that is designed to serve a specific purpose; a mathematical concept that describes a relationship between two sets of values, called the input and output sets; (verb) to operate or work in a specific way, or to perform a particular task or purpose
45. 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

ANSWERS: 38. lab, 39. delay, 40. manipulate, 41. digital, 42. identical, 43. virus, 44. function, 45. discovery

46. ov____ok that fact *v.* to fail to notice something; to watch over someone; to provide a view from above
47. pr____le outcome *adj.* likely to happen or likely to be true
48. marketing ex____se *n.* specialized knowledge or skills in a particular field or subject; expert proficiency or knowledge
49. sympathetic vi____on *n.* a continuous quick and slight shaking movement
50. ob____n a bid *v.* to get something, especially by making a great effort
51. com____ty theory *n.* the state or quality of being complicated or intricate and difficult to understand
52. a bacterial in____on *n.* a condition in which pathogenic microorganisms or viruses have entered the body
53. an image se____r *n.* a device that receives a signal or stimulus such as heat, pressure, light, motion, etc. and responds to it in a specific manner
54. p__t twist *n.* a secret plan or scheme to achieve a specific goal; the plan or main story of a literary work; (verb) to plan secretly, usually something illegal
55. as____ly hall *n.* a group of people who have been elected, especially one that meets regularly and makes decisions or laws for a specific region or country
56. sc__e off her attacker by screaming *v.* to frighten a person or animal, or to become frightened

ANSWERS: 46. overlook, 47. probable, 48. expertise, 49. vibration, 50. obtain, 51. complexity, 52. infection, 53. sensor, 54. plot, 55. assembly, 56. scare

57. natural da____ht *n.* the natural light produced by the sun during the day, especially in contrast to artificial light or darkness
58. an administrative sub_____on *n.* a smaller part of something that is divided into such parts
59. botanical ex____t *n.* a short passage taken from a book, piece of music, etc.; a substance obtained from something through a specific process; (verb) to obtain from something or to remove something by effort or force
60. spread of f__e news *adj.* not genuine; fraudulent or counterfeit
61. an agg_____ve tumor *adj.* behaving in an angry, energetic, or threatening way towards another person; tending to spread quickly
62. pa_____d capacity *n.* the amount of cargo or goods that a vehicle or equipment is designed to carry or transport; in computing, the amount of data that can be transmitted over a communication system
63. mo____g ceremony *adj.* causing strong emotions or feelings, especially sadness or sympathy
64. popular lit_____re *n.* written works, such as novels, plays, poems, or short stories that are considered to have artistic or intellectual value
65. a strain of vi__s *n.* a tiny infectious organic material that causes disease in people, animals, and plants

ANSWERS: 57. daylight, 58. subdivision, 59. extract, 60. fake, 61. aggressive, 62. payload, 63. moving, 64. literature, 65. virus

66. tu____e aerofoil *n.* a machine that rotates to generate power from fluids such as water or gas
67. a cr__y scheme *adj.* stupid or not sensible; very angry
68. driverless aut_____le *n.* a road vehicle that has four wheels and is powered by an engine, used for transporting people or goods
69. use of nu____r power *adj.* of or relating to or constituting the nucleus of an atom; deriving destructive energy from the release of atomic energy
70. leg_____te question *adj.* accordant with or allowed by law; lawful
71. f__e police officer *adj.* not genuine; fraudulent or counterfeit
72. sp_____y an option *v.* to explain or state something clearly and exactly
73. lo___e a missing pet *v.* to specify or determine the exact position of someone or something
74. co_____e a biography *v.* to create a book, a list, a report, etc., by combining various objects, articles, music, etc.
75. 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
76. cen_____ge tube *n.* a machine that uses centrifugal force (= a type of inertial force that appears to act on an object moving in a circular path and is directed away from the center) to separate substances of different densities, especially to separate liquids from solids

ANSWERS: 66. turbine, 67. crazy, 68. automobile, 69. nuclear, 70. legitimate, 71. fake, 72. specify, 73. locate, 74. compile, 75. discovery, 76. centrifuge

77. en____er shortage *n.* a person whose job is designing, building, or maintaining something such as machines, structures, or software
78. 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
79. manual la__r *n.* productive work, especially physical work done for wages; the people who do manual or physical work in a country or company for wage; (verb) to work hard or to strive and make an effort to reach a goal
80. a cell phone with an internet fa____ty *n.* a building or place that provides a particular service or is used for a particular industry
81. 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
82. less fo____te person *adj.* having good luck or lucky
83. a co____nt remark *adj.* feeling sure about your abilities or qualities or having trust in people, plans, or the future
84. atomic b__bs *n.* a weapon that explodes and is used to kill or injure people or to cause damage to something

ANSWERS: 77. engineer, 78. develop, 79. labor, 80. facility, 81. assume, 82. fortunate, 83. confident, 84. bomb

85. da___e assessment *v.* to harm or cause injury to something or someone, often resulting in decreased value or functionality; to impair or negatively affect something, such as a reputation or relationship; (noun) harm or injury that is caused to a person, thing, or entity
86. his conclusion was ob____s *adj.* easy to see, discover or understand
87. tu____e energy *n.* a machine that rotates to generate power from fluids such as water or gas
88. treat the in____on with antibiotics *n.* a condition in which pathogenic microorganisms or viruses have entered the body
89. aut____le insurance *n.* a road vehicle that has four wheels and is powered by an engine, used for transporting people or goods
90. re____r approval ratings *v.* to return to a former condition, health, mind, or strength
91. ob___n a license *v.* to get something, especially by making a great effort
92. copyrighted so____re *n.* a set of computer programs and associated documentation and data for doing particular computational jobs
93. sta____cs for cancer *n.* the discipline that concerns the collection, organization, analysis, interpretation, and presentation of data
94. re____r a loss *v.* to return to a former condition, health, mind, or strength
95. a con____nal style *adj.* based on or following traditional rules, standards, customs, etc.

ANSWERS: 85. damage, 86. obvious, 87. turbine, 88. infection, 89. automobile, 90. recover, 91. obtain, 92. software, 93. statistics, 94. recover, 95. conventional

96. acc_____hed goal *adj.* having completed a task or achieved a goal successfully; skilled or proficient at something
97. acc_____hed at a very early age *adj.* having completed a task or achieved a goal successfully; skilled or proficient at something
98. cy__r crime *adj.* relating to or involving computers, computer networks, or virtual reality
99. unf_____ely caught in a shower *adv.* by bad luck; unluckily
100. industry-sp_____ic regulations *adj.* clearly defined or particular to a certain thing or situation; distinct, explicit, and precise
101. st__k a key in a lock *v.* to put something, usually a sharp object, into something; to restrict yourself to doing or using one certain thing and not change; (noun) a thin piece of wood or other material
102. l_b instrument *n.* a workplace for the conduct of scientific research; a laboratory
103. legal en____y *n.* something that exists independently and has its own identity
104. series of exp_____nts *n.* the scientific test conducted to observe what happens and gain new knowledge
105. an id_____al equation *adj.* being the exact same one
106. exp_____nt design *n.* the scientific test conducted to observe what happens and gain new knowledge
107. get a con_____nal loan *adj.* based on or following traditional rules, standards, customs, etc.

ANSWERS: 96. accomplished, 97. accomplished, 98. cyber, 99. unfortunately, 100. specific, 101. stick, 102. lab, 103. entity, 104. experiment, 105. identical, 106. experiment, 107. conventional

108. 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
109. sa_____ge mission *n.* the deliberate and malicious damage, destruction, or disruption of equipment, machinery, or other property, often by someone with a particular agenda or motive; the subversion of an organization or institution by secret agents or spies
110. seasonal la__r *n.* productive work, especially physical work done for wages; the people who do manual or physical work in a country or company for wage; (verb) to work hard or to strive and make an effort to reach a goal
111. begin to r_t *v.* to decay, or cause something to decay, naturally and gradually
112. a brief ex_____t from the book *n.* a short passage taken from a book, piece of music, etc.; a substance obtained from something through a specific process; (verb) to obtain from something or to remove something by effort or force
113. 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
114. eve_____ly succeed *adv.* finally, particularly after a long time or a lot of struggle, complications, and so on

ANSWERS: 108. assume, 109. sabotage, 110. labor, 111. rot, 112. extract, 113. valve, 114. eventually

115. as____ly line *n.* a group of people who have been elected, especially one that meets regularly and makes decisions or laws for a specific region or country
116. wiggly w__ms *n.* a long, thin creature with a soft and long cylindrical tube-like body, no limbs, and a lack of eyes
117. ro____t fuel *n.* a large tube-shaped object that moves very first by a stream of gases let out behind it, used for space travel or as a weapon
118. sub_____on of cells *n.* a smaller part of something that is divided into such parts
119. mo____g experience *adj.* causing strong emotions or feelings, especially sadness or sympathy
120. cognitive com_____ty *n.* the state or quality of being complicated or intricate and difficult to understand
121. satellite pa_____d *n.* the amount of cargo or goods that a vehicle or equipment is designed to carry or transport; in computing, the amount of data that can be transmitted over a communication system
122. sn__f the air *v.* to inhale audibly through the nose, often to detect or identify a smell; to draw in air through the nostrils with a quick, audible intake of breath
123. a_m at a specific target *v.* to try or plan to get or achieve something
124. he__t man *n.* a crime in which expensive items are illegally and frequently violently removed from a location or person

ANSWERS: 115. assembly, 116. worm, 117. rocket, 118. subdivision, 119. moving, 120. complexity, 121. payload, 122. sniff, 123. aim, 124. heist

125. a civil en_____er *n.* a person whose job is designing, building, or maintaining something such as machines, structures, or software
126. con_____ce as a teacher *n.* the feeling or attitude that one can trust or rely on the abilities or good qualities of someone or something
127. com_____se the matter *v.* to settle a problem or disagreement by mutual concession
128. vul_____le parts of the body *adj.* capable of being hurt or influenced physically or mentally
129. toxic ch_____als *adj.* relating to or connected with chemistry;
130. 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
131. r_t with age *v.* to decay, or cause something to decay, naturally and gradually
132. in_____e a high degree of risk *v.* to include or affect someone or something as a necessary part of something else
133. sup_____er leader *n.* a country or nation that has significant global influence or formidable military, economic, or technological strength; a supernatural ability or force capable of extraordinary feats or feats beyond normal human capabilities
134. smokeless f__l *n.* a substance that is typically burned to generate heat or energy

ANSWERS: 125. engineer, 126. confidence, 127. compromise, 128. vulnerable, 129. chemical, 130. develop, 131. rot, 132. involve, 133. superpower, 134. fuel

135. environmental det_____nt *n.* a factor, circumstance, or condition that contributes to the shaping, influencing, or determining of a particular outcome or result
136. cir_____nt rules *v.* to go around, avoid, or bypass something, often to achieve an intended goal or objective; to outmaneuver or outsmart a person or obstacle
137. sigh of re____f *n.* a feeling of happiness and relaxation that comes when something burdensome is removed or reduced
138. mai_____ce work *n.* the act or process of keeping something, either artificial materials or living things, in good condition; the money needed for a person's or family's living expenses
139. certified pro_____nal secretary *adj.* having or showing the skill appropriate to a particular job; competent or skillful
140. fo_____te situation *adj.* having good luck or lucky
141. official sta_____cs *n.* the discipline that concerns the collection, organization, analysis, interpretation, and presentation of data
142. tax re____f *n.* a feeling of happiness and relaxation that comes when something burdensome is removed or reduced
143. cr____y atmosphere *adj.* causing an uneasy feeling of fear or unease
144. cannot com_____se anymore *v.* to settle a problem or disagreement by mutual concession

ANSWERS: 135. determinant, 136. circumvent, 137. relief, 138. maintenance, 139. professional, 140. fortunate, 141. statistics, 142. relief, 143. creepy, 144. compromise

145. company in____r *n.* a person who has privileged access to special or secret information about a particular organization or field
146. transistor ca____e *n.* a small waterfall or series of small waterfalls; a succession of stages or operations or processes or units
147. a_m to be a nurse *v.* to try or plan to get or achieve something
148. biomass f__l *n.* a substance that is typically burned to generate heat or energy
149. en____h public services *v.* to make better or improve in quality by adding something else
150. so____re architect *n.* a set of computer programs and associated documentation and data for doing particular computational jobs
151. nu____r fusion *adj.* of or relating to or constituting the nucleus of an atom; deriving destructive energy from the release of atomic energy
152. co____re alarm notification *v.* to set up or arrange something in a particular way or for a specific purpose
153. basic br__n function *n.* the organ inside the head that is responsible for one's movement, thought, memory, and feeling
154. frozen as__ts *n.* something or someone that is useful or valuable quality, skill, etc.; valuable property
155. vulnerable to man____te *v.* to influence or control something or someone to your advantage, often in an unfair or dishonest way

ANSWERS: 145. insider, 146. cascade, 147. aim, 148. fuel, 149. enrich, 150. software, 151. nuclear, 152. configure, 153. brain, 154. asset, 155. manipulate

156. unintended con_____ces *n.* the outcome of a particular action or event, especially relative to an individual
157. sp_____y a cause *v.* to explain or state something clearly and exactly
158. eve_____ly become obsolete *adv.* finally, particularly after a long time or a lot of struggle, complications, and so on
159. fa_____ty design *n.* a building or place that provides a particular service or is used for a particular industry
160. in_____t other animal species *v.* to affect a person, an animal, or a plant with a disease-causing organism
161. in_____e a lot of paperwork *v.* to include or affect someone or something as a necessary part of something else
162. a ge_____c product *adj.* not specific; not linked to a particular brand or product
163. the con_____ce of an argument *n.* the outcome of a particular action or event, especially relative to an individual
164. pr___l the streets *v.* to move about stealthily, especially in search of prey or as part of a criminal act; to wander or roam around aimlessly or restlessly
165. fu_____on properly *n.* the purpose or use of an object, system, or process; a particular activity or operation that is designed to serve a specific purpose; a mathematical concept that describes a relationship between two sets of values, called the input and output sets; (verb) to operate or work in a specific way, or to perform a particular task or purpose

ANSWERS: 156. consequence, 157. specify, 158. eventually, 159. facility, 160. infect, 161. involve, 162. generic, 163. consequence, 164. prowl, 165. function

166. ha_____re group *n.* a subgroup or subculture within a larger group or community that is characterized by a particularly intense, committed, or extreme set of practices, beliefs, or values
167. the mai_____ce of the car *n.* the act or process of keeping something, either artificial materials or living things, in good condition; the money needed for a person's or family's living expenses
168. even more unf_____ely *adv.* by bad luck; unluckily
169. ha_____re music fan *n.* a subgroup or subculture within a larger group or community that is characterized by a particularly intense, committed, or extreme set of practices, beliefs, or values
170. tec_____cal advancement *adj.* based on scientific and industrial progress
171. radioactive ur_____m isotope *n.* a chemical element with the symbol U, atomic number 92, that is a dense, silvery-white metal that is radioactive and is used as a fuel for nuclear power plants
172. da_____ht hours *n.* the natural light produced by the sun during the day, especially in contrast to artificial light or darkness
173. ex_____e in anger *v.* to burst or break open violently and noisily; to cause something to burst or break open

ANSWERS: 166. hard-core, 167. maintenance, 168. unfortunately, 169. hard-core, 170. technological, 171. uranium, 172. daylight, 173. explode

174. def_____ly become a problem *adv.* without any question and beyond doubt; clearly
175. sp_____ic instructions *adj.* clearly defined or particular to a certain thing or situation; distinct, explicit, and precise
176. obs_____on instrument *n.* the act or activity of carefully examining or monitoring something or someone
177. permanent br__n damage *n.* the organ inside the head that is responsible for one's movement, thought, memory, and feeling
178. class obs_____on day *n.* the act or activity of carefully examining or monitoring something or someone
179. con_____ion of the system *n.* the arrangement or pattern of something or a group of related things
180. sp_____ng machine *n.* the act of rotating rapidly around an axis; in the context of textiles, the process of twisting fibers together to form thread or yarn
181. boost my con_____ce *n.* the feeling or attitude that one can trust or rely on the abilities or good qualities of someone or something
182. sc__e the birds away *v.* to frighten a person or animal, or to become frightened
183. act of sa_____ge *n.* the deliberate and malicious damage, destruction, or disruption of equipment, machinery, or other property, often by someone with a particular agenda or motive; the subversion of an organization or institution by secret agents or spies

ANSWERS: 174. definitely, 175. specific, 176. observation, 177. brain, 178. observation, 179. configuration, 180. spinning, 181. confidence, 182. scare, 183. sabotage

| | |
|--------------------------------------|--|
| 184. fire st__k | <i>v.</i> to put something, usually a sharp object, into something; to restrict yourself to doing or using one certain thing and not change; (noun) a thin piece of wood or other material |
| 185. co____e the data | <i>v.</i> to create a book, a list, a report, etc., by combining various objects, articles, music, etc. |
| 186. ro___t attack against the enemy | <i>n.</i> a large tube-shaped object that moves very fast by a stream of gases let out behind it, used for space travel or as a weapon |
| 187. in____pt X rays | <i>v.</i> to stop and catch someone or something to prevent them from continuing to a destination |
| 188. de__y a flight three hours | <i>v.</i> to cause something to happen at a later time than originally intended or expected |
| 189. disarm the b__b | <i>n.</i> a weapon that explodes and is used to kill or injure people or to cause damage to something |
| 190. the st_____re of a machine | <i>n.</i> the way of construction of something and the arrangement of its parts, or a complex thing constructed of many parts |
| 191. an agg_____ve war | <i>adj.</i> behaving in an angry, energetic, or threatening way towards another person; tending to spread quickly |
| 192. sn__f the perfume | <i>v.</i> to inhale audibly through the nose, often to detect or identify a smell; to draw in air through the nostrils with a quick, audible intake of breath |

ANSWERS: 184. stick, 185. compile, 186. rocket, 187. intercept, 188. delay, 189. bomb, 190. structure, 191. aggressive, 192. sniff

193. env_____nt affairs *n.* the natural world such as air, water, and land in which humans, animals, and plants live
194. lo___e a tumor *v.* to specify or determine the exact position of someone or something
195. jewel he__t *n.* a crime in which expensive items are illegally and frequently violently removed from a location or person
196. cr__k an eggshell *v.* to break or cause to break without dividing into separate parts; (noun) a line on the surface of something along which it has separated without breaking
197. a m__s of molten rock *n.* a large amount of a substance with no definite shape or form; a large number of people or things grouped or crowded together
198. as_____te with people widely *v.* to mentally connect someone or something with someone or something else
199. en___h a gas with a balloon *v.* to make better or improve in quality by adding something else
200. feel cr___y *adj.* causing an uneasy feeling of fear or unease
201. a vul_____le bridge *adj.* capable of being hurt or influenced physically or mentally
202. ac_____ly engage *adv.* in a way that involves taking action or participating actively; with energy and determination
203. ca_____e connection *n.* a small waterfall or series of small waterfalls; a succession of stages or operations or processes or units

ANSWERS: 193. environment, 194. locate, 195. heist, 196. crack, 197. mass, 198. associate, 199. enrich, 200. creepy, 201. vulnerable, 202. actively, 203. cascade

204. a det_____nt of crop yields *n.* a factor, circumstance, or condition that contributes to the shaping, influencing, or determining of a particular outcome or result
205. pr_____le cause of a fire *adj.* likely to happen or likely to be true
206. pro_____nal athlete *adj.* having or showing the skill appropriate to a particular job; competent or skillful
207. co_____re options *v.* to set up or arrange something in a particular way or for a specific purpose
208. 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
209. 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
210. di_____ve global warming *v.* to show that something is not true or correct
211. sp_____ng wheel *n.* the act of rotating rapidly around an axis; in the context of textiles, the process of twisting fibers together to form thread or yarn
212. nuclear wa_____d *n.* the explosive or destructive part of a missile, rocket, or other weapons that are designed to explode on impact or detonation
213. as_____te alcohol with gambling *v.* to mentally connect someone or something with someone or something else

ANSWERS: 204. determinant, 205. probable, 206. professional, 207. configure, 208. structure, 209. valve, 210. disprove, 211. spinning, 212. warhead, 213. associate

214. ob____s reasons *adj.* easy to see, discover or understand
215. liquid as__ts of the company *n.* something or someone that is useful or valuable quality, skill, etc.; valuable property
216. path of des_____on *n.* the act of causing so much damage to something
217. cyclonic des_____on *n.* the act of causing so much damage to something
218. fl___r enhancer *n.* the taste sensation produced by a substance in the mouth
219. op_____or error *n.* a person who uses and controls machinery or equipment; a mathematical symbol used to perform calculations
220. a delicate fl___r *n.* the taste sensation produced by a substance in the mouth
221. re___e a message *v.* to establish a connection or association between two or more things; to narrate or tell about an event, experience, or relationship; to empathize or feel sympathy with someone or something
222. ge_____c version *adj.* not specific; not linked to a particular brand or product

ANSWERS: 214. obvious, 215. asset, 216. destruction, 217. destruction, 218. flavor, 219. operator, 220. flavor, 221. relate, 222. generic

Session 3: Fill in the Blanks

1. The Prime Minister will pay a courtesy visit to the Nobel laureate's ____.
n. a workplace for the conduct of scientific research; a laboratory
2. A company is a distinct legal _____.
n. something that exists independently and has its own identity
3. The _____ launch platform is visible from this hill.
n. a large tube-shaped object that moves very fast by a stream of gases let out behind it, used for space travel or as a weapon
4. Public political demonstrations are considered _____ rights for citizens.
adj. accordant with or allowed by law; lawful
5. He that would eat the kernel must _____ the nut.
v. to break or cause to break without dividing into separate parts; (noun) a line on the surface of something along which it has separated without breaking
6. This company has an entire recycling _____ including major reprocessing plants.
n. a building or place that provides a particular service or is used for a particular industry
7. _____ espionage between countries can have serious consequences.
adj. relating to or involving computers, computer networks, or virtual reality
8. The prime minister was not well prepared for the debate and _____ it
adj. not genuine; fraudulent or counterfeit

ANSWERS: 1. lab, 2. entity, 3. rocket, 4. legitimate, 5. crack, 6. facility, 7. Cyber, 8. faked

9. The _____ will repair my telephone tomorrow morning.
n. a person whose job is designing, building, or maintaining something such as machines, structures, or software
10. The _____ aspirin brand was just as effective as the name brand but much cheaper.
adj. not specific; not linked to a particular brand or product
11. An infected person in the hospital will likely pass the _____ to others.
n. a tiny infectious organic material that causes disease in people, animals, and plants
12. I'm not _____ in our victory.
adj. feeling sure about your abilities or qualities or having trust in people, plans, or the future
13. We hit the ground to _____ out the rabbits.
v. to frighten a person or animal, or to become frightened
14. He tried to _____ his experience to the group, but they couldn't understand.
v. to establish a connection or association between two or more things; to narrate or tell about an event, experience, or relationship; to empathize or feel sympathy with someone or something
15. Children often _____ parents with this head cold.
v. to affect a person, an animal, or a plant with a disease-causing organism
16. 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: 9. engineer, 10. generic, 11. virus, 12. confident, 13. scare, 14. relate, 15. infect, 16. digital

17. One _____ of success is having a positive attitude and a strong work ethic.
- n.* a factor, circumstance, or condition that contributes to the shaping, influencing, or determining of a particular outcome or result
18. I am _____ looking for a new job opportunity.
- adv.* in a way that involves taking action or participating actively; with energy and determination
19. The old, abandoned house was _____ and gave me the chills.
- adj.* causing an uneasy feeling of fear or unease
20. The view of the city skyline from the top of the building looked amazing in the _____.
- n.* the natural light produced by the sun during the day, especially in contrast to artificial light or darkness
21. The use of cluster _____ is strictly prohibited by international law.
- n.* a weapon that explodes and is used to kill or injure people or to cause damage to something
22. The _____ of the Romantic period is known for its emotion and imagination.
- n.* written works, such as novels, plays, poems, or short stories that are considered to have artistic or intellectual value
23. The missile launch was successful, and the _____ hit its intended target.
- n.* the explosive or destructive part of a missile, rocket, or other weapons that are designed to explode on impact or detonation

ANSWERS: 17. determinant, 18. actively, 19. creepy, 20. daylight, 21. bombs, 22. literature, 23. warhead

24. There are _____ differences between the two wine-producing regions.

adj. easy to see, discover or understand

25. The _____ of people who do not own property is politically impotent.

n. a large amount of a substance with no definite shape or form; a large number of people or things grouped or crowded together

26. Skill and _____ are an unconquered army.

n. the feeling or attitude that one can trust or rely on the abilities or good qualities of someone or something

27. _____ displaced part of the mechanism.

n. a continuous quick and slight shaking movement

28. She is still _____ from a shot to her shoulder.

v. to return to a former condition, health, mind, or strength

29. A sense of humor is an invaluable _____ in this job.

n. something or someone that is useful or valuable quality, skill, etc.; valuable property

30. The company specializes in both hardware and _____.

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

31. This automatic door could no longer be opened due to a _____ failure.

n. a device that receives a signal or stimulus such as heat, pressure, light, motion, etc. and responds to it in a specific manner

ANSWERS: 24. obvious, 25. mass, 26. confidence, 27. Vibration, 28. recovering, 29. asset, 30. software, 31. sensor

32. I took a back road to work on time to _____ the traffic jam.

- v.* to go around, avoid, or bypass something, often to achieve an intended goal or objective; to outmaneuver or outsmart a person or obstacle

33. The majority of consumers _____ this brand with quality.

- v.* to mentally connect someone or something with someone or something else

34. The _____ of the coffee was rich and full-bodied.

- n.* the taste sensation produced by a substance in the mouth

35. She felt _____ after finishing her book.

- adj.* having completed a task or achieved a goal successfully; skilled or proficient at something

36. The old building _____ in a fiery inferno.

- v.* to burst or break open violently and noisily; to cause something to burst or break open

37. This company's _____ plant is an enormous facility.

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

38. 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

39. The corporation _____ dominated the entire tobacco business.

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

ANSWERS: 32. circumvent, 33. associate, 34. flavor, 35. accomplished, 36. exploded, 37. assembly, 38. professional, 39. eventually

40. 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
41. These economic activities had disastrous environmental _____.
- n.* the outcome of a particular action or event, especially relative to an individual
42. Please refrigerate the meat, or it will ____.
- v.* to decay, or cause something to decay, naturally and gradually
43. She is very _____ in her thoughts.
- adj.* based on or following traditional rules, standards, customs, etc.
44. 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
45. The extinction of several subspecies has been linked to climate change and habitat _____.
- n.* the act of causing so much damage to something
46. You _____ a bill in the change machine, and the coins pop out.
- v.* to put something, usually a sharp object, into something; to restrict yourself to doing or using one certain thing and not change; (noun) a thin piece of wood or other material
47. An executive _____ director administers each branch.
- n.* someone who helps or supports someone else to do a job

ANSWERS: 40. discovery, 41. consequences, 42. rot, 43. conventional, 44. assumes, 45. destruction, 46. stick, 47. assistant

48. In the hospital, she will remain under constant _____.
- n.* the act or activity of carefully examining or monitoring something or someone
49. _____ advances have disrupted many industries.
- adj.* based on scientific and industrial progress
50. The _____ industry is a major contributor to air pollution in cities.
- n.* a road vehicle that has four wheels and is powered by an engine, used for transporting people or goods
51. It seems _____ that he has forgotten our scheduled meeting.
- adj.* likely to happen or likely to be true
52. We cannot _____ an opportunity for great success.
- v.* to fail to notice something; to watch over someone; to provide a view from above
53. X-rays revealed a small tumor in his _____.
- n.* the organ inside the head that is responsible for one's movement, thought, memory, and feeling
54. The brain is an incredibly complex organ that controls the body's _____.
- n.* the purpose or use of an object, system, or process; a particular activity or operation that is designed to serve a specific purpose; a mathematical concept that describes a relationship between two sets of values, called the input and output sets; (verb) to operate or work in a specific way, or to perform a particular task or purpose
55. An _____ tide wrecked the ship.
- adj.* behaving in an angry, energetic, or threatening way towards another person; tending to spread quickly

ANSWERS: 48. observation, 49. Technological, 50. automobile, 51. probable, 52. overlook, 53. brain, 54. function, 55. aggressive

56. The city is divided into several smaller _____.
- n.* a smaller part of something that is divided into such parts
57. The mining and processing of _____ can lead to releasing radioactive materials into the environment.
- n.* a chemical element with the symbol U, atomic number 92, that is a dense, silvery-white metal that is radioactive and is used as a fuel for nuclear power plants
58. He's a Wall Street _____ with a lot of valuable information.
- n.* a person who has privileged access to special or secret information about a particular organization or field
59. Please tell me how to _____ this computer.
- v.* to influence or control something or someone to your advantage, often in an unfair or dishonest way
60. 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
61. The treatments were done but, _____ were unsuccessful.
- adv.* by bad luck; unluckily
62. The _____ demonstrate that poverty and unemployment are genuine problems.
- n.* the discipline that concerns the collection, organization, analysis, interpretation, and presentation of data
63. He devoted his life to establishing a humanitarian _____ fund.
- n.* a feeling of happiness and relaxation that comes when something burdensome is removed or reduced

ANSWERS: 56. subdivisions, 57. uranium, 58. insider, 59. manipulate, 60. environment, 61. unfortunately, 62. statistics, 63. relief

64. The researchers were unable to _____ the theory.
v. to show that something is not true or correct
65. We ____ for an overseas expansion.
v. to try or plan to get or achieve something
66. The _____ of the factory's equipment caused significant damage.
n. the deliberate and malicious damage, destruction, or disruption of equipment, machinery, or other property, often by someone with a particular agenda or motive; the subversion of an organization or institution by secret agents or spies
67. _____ help dispose of the food waste produced by humans.
n. a long, thin creature with a soft and long cylindrical tube-like body, no limbs, and a lack of eyes
68. The _____ of molecules in steel changes significantly with temperature.
n. the arrangement or pattern of something or a group of related things
69. In several countries, child _____ is a serious social problem.
n. productive work, especially physical work done for wages; the people who do manual or physical work in a country or company for wage; (verb) to work hard or to strive and make an effort to reach a goal
70. The firm has grown into a large _____ manufacturing.
adj. relating to or connected with chemistry;
71. The scientist conducted a study that provided _____ details about the species' behavior.
adj. clearly defined or particular to a certain thing or situation; distinct, explicit, and precise

ANSWERS: 64. disprove, 65. aim, 66. sabotage, 67. Worms, 68. configuration, 69. labor, 70. chemical, 71. specific

72. Anesthetize the gum before _____ the teeth.
- n.* a short passage taken from a book, piece of music, etc.; a substance obtained from something through a specific process; (verb) to obtain from something or to remove something by effort or force
73. 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
74. Reading not only increases knowledge but also _____ life.
- v.* to make better or improve in quality by adding something else
75. Infant formulas are nutritionally almost _____ to a mother's breast milk.
- adj.* being the exact same one
76. We _____ the payment because of an incorrect invoice.
- v.* to cause something to happen at a later time than originally intended or expected
77. During the surgery, the doctor had to be extremely cautious not to _____ a blood vessel.
- v.* to harm or cause injury to something or someone, often resulting in decreased value or functionality; to impair or negatively affect something, such as a reputation or relationship; (noun) harm or injury that is caused to a person, thing, or entity
78. The _____ of the machine must follow strict safety protocols.
- n.* a person who uses and controls machinery or equipment; a mathematical symbol used to perform calculations

ANSWERS: 72. extracting, 73. develop, 74. enriches, 75. identical, 76. delayed, 77. damage, 78. operator

79. 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
80. The ability to fly like a bird is often considered a _____ in comic books and movies.
- n.* a country or nation that has significant global influence or formidable military, economic, or technological strength; a supernatural ability or force capable of extraordinary feats or feats beyond normal human capabilities
81. He was pretty _____ to pass the exam.
- adj.* having good luck or lucky
82. Infants and pregnant women are particularly _____.
- adj.* capable of being hurt or influenced physically or mentally
83. The _____ for the rocket launch included several satellites and scientific instruments.
- n.* the amount of cargo or goods that a vehicle or equipment is designed to carry or transport; in computing, the amount of data that can be transmitted over a communication system
84. It is illegal to _____ police radio.
- v.* to stop and catch someone or something to prevent them from continuing to a destination
85. The paper is _____ worth reading thoroughly.
- adv.* without any question and beyond doubt; clearly

ANSWERS: 79. involves, 80. superpower, 81. fortunate, 82. vulnerable, 83. payload, 84. intercept, 85. definitely

86. She took a _____ class at the gym to improve her cardiovascular fitness.
- n.* the act of rotating rapidly around an axis; in the context of textiles, the process of twisting fibers together to form thread or yarn
87. Hospitals must meet various standards to prevent nosocomial _____.
- n.* a condition in which pathogenic microorganisms or viruses have entered the body
88. Several airport security staff were involved in the _____.
- n.* a crime in which expensive items are illegally and frequently violently removed from a location or person
89. The dog stopped to _____ around the tree, looking for something interesting.
- v.* to inhale audibly through the nose, often to detect or identify a smell; to draw in air through the nostrils with a quick, audible intake of breath
90. We are attempting to _____ a list of qualified candidates for the position.
- v.* to create a book, a list, a report, etc., by combining various objects, articles, music, etc.
91. The rain and thunder are _____ today.
- adj.* stupid or not sensible; very angry
92. 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
93. His _____ showed highly positive results.
- n.* the scientific test conducted to observe what happens and gain new knowledge

ANSWERS: 86. spinning, 87. infections, 88. heist, 89. sniff, 90. compile, 91. crazy, 92. valve, 93. experiments

94. We have decided to extend our _____ contract until next year.
- n.* the act or process of keeping something, either artificial materials or living things, in good condition; the money needed for a person's or family's living expenses
95. Many countries have now agreed to a treaty banning the use of _____ weapons.
- adj.* of or relating to or constituting the nucleus of an atom; deriving destructive energy from the release of atomic energy
96. The predator began to _____ around the forest's edge, searching for prey.
- v.* to move about stealthily, especially in search of prey or as part of a criminal act; to wander or roam around aimlessly or restlessly
97. I need to _____ my computer's settings to connect to the internet.
- v.* to set up or arrange something in a particular way or for a specific purpose
98. The company's success can be attributed to the _____ of its employees.
- n.* specialized knowledge or skills in a particular field or subject; expert proficiency or knowledge
99. You can _____ the font color by clicking the Color tab.
- v.* to explain or state something clearly and exactly
100. The robot can accurately _____ construction material.
- v.* to specify or determine the exact position of someone or something
101. 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

ANSWERS: 94. maintenance, 95. nuclear, 96. prowl, 97. configure, 98. expertise, 99. specify, 100. locate, 101. turbines

102. The _____ gamers were up until 4 am playing video games.
- n.* a subgroup or subculture within a larger group or community that is characterized by a particularly intense, committed, or extreme set of practices, beliefs, or values
103. The laboratory technician placed the blood samples in the _____ to separate the different components.
- n.* a machine that uses centrifugal force (= a type of inertial force that appears to act on an object moving in a circular path and is directed away from the center) to separate substances of different densities, especially to separate liquids from solids
104. 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
105. His _____ speech about his struggles with addiction brought tears to the audience's eyes.
- adj.* causing strong emotions or feelings, especially sadness or sympathy
106. The _____ scarcity most severely impacted the manufacturing sector
- n.* a substance that is typically burned to generate heat or energy
107. The _____ of the novel centers around a group of friends who uncover a conspiracy to control the world's water supply.
- n.* a secret plan or scheme to achieve a specific goal; the plan or main story of a literary work; (verb) to plan secretly, usually something illegal
108. Where can I _____ the application form?
- v.* to get something, especially by making a great effort

ANSWERS: 102. hard-core, 103. centrifuge, 104. structure, 105. moving, 106. fuel, 107. plot, 108. obtain

109. They never _____ on development despite the lack of funds.

v. to settle a problem or disagreement by mutual concession

110. The _____ of waterfalls in the national park was a breathtaking sight.

n. a small waterfall or series of small waterfalls; a succession of stages or operations or processes or units

111. The project's _____ made it difficult for the team to complete it on time.

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

ANSWERS: 109. compromised, 110. cascade, 111. complexity