

Englist.me



Vocabulary Builder Reference from...

Ellen Jorgensen: Biohacking -- you can do it, too |

TED Talk

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

[g_you_can_do_it_too](https://www.ted.com/talks/ellen_jorgensen_biohackin)

All Words

IMPORTANT

This material is a commentary and does not contain any copyrighted material of the reference source. We strongly recommend accessing/buying the reference source at the same time.

Session 1: Word List

molecular

adj. of or relating to molecules (= a group of two or more atoms held together by attractive forces known as chemical bonds)

synonym: microscopic, atomic

(1) **molecular** structure, (2) **molecular** biology

Molecular weight is the sum of all the atoms.

biology

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

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

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

writ

n. a written legal order or command

synonym: legal document, order, legal process

(1) a **writ** of summons, (2) issue a **writ**

He was served with a **writ** of eviction, giving him the notice to vacate the property.

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.

genome

n. the complete set or sequence of genes of a human, animal, plant, or other living things

(1) sequencing of the human **genome**, (2) **genome** analyses

The human **genome** contains approximately three billion chemical base pairs.

euro

n. the official currency of most European Union countries

(1) the value of the **Euro**, (2) **Euro** crises

Some countries may leave the **Euro**.

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.

sector

n. a distinct part or division of something often used to refer to a segment of an economy or industry; an area or field of work or activity

synonym: division, department, branch

(1) industrial **sector**, (2) private **sector**

The technology **sector** is constantly evolving and innovating.

potentially

adv. in a possible state or condition; possibly

synonym: likely, possibly, probably

(1) **potentially** affected, (2) **potentially** lucrative

The organization assisted in the de-escalation of **potentially** violent situations.

replace

v. to take the place of something

synonym: substitute, supersede, displace

(1) **replace** one word with another, (2) **replace** a phone

Eventually, the new design will **replace** all older models.

fossil

n. any preserved remains, impression, or trace of any once-living thing that has become hard and turned into rock

synonym: relic, remnant, antediluvian

(1) burning of **fossil** fuels, (2) a **fossil** leaf

It was the **fossil** of a dinosaur tooth.

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

revolutionize

v. to bring about a complete or radical change in something, often through the introduction of new methods or ideas

synonym: transform, innovate, modernize

(1) **revolutionize** the industry, (2) **revolutionize** the technology

The invention of the smartphone **revolutionized** the way we communicate with each other.

medicinal

adj. of or relating to the treatment or cure of disease

synonym: curative, therapeutic, healing

(1) **medicinal** chemistry, (2) traditional **medicinal**

The **medicinal** properties of this herb have been known to help with various ailments.

aspect

n. one part or feature of a situation, problem, subject, etc.

synonym: characteristic, element, factor

(1) nontechnical **aspects** of the job, (2) **aspects** of social, political, and economic life

His professional experience includes all **aspects** of media

production.

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.

advocate

n. a person who supports or suggests an idea, development, or way of doing something

synonym: proponent, exponent, promoter

(1) an **advocate** of disarmament, (2) public education

advocates

Advocates of abolishing the death penalty often argue that the alternative heaviest sentence should be life in prison.

biotechnology

n. the application of technological processes and methods to biological systems to develop new products or techniques, such as genetically modified organisms or biopharmaceuticals

synonym: genetic engineering, bioengineering, genetic modification

(1) **biotechnology** research, (2) modern **biotechnology**

Advancements in **biotechnology** have revolutionized medicine and agriculture.

accessible

adj. capable of being reached, easily got, or seen

synonym: affordable, available, unrestricted

(1) a town **accessible** by rail, (2) **accessible** to pity

He is an **accessible** and genial man.

government

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

synonym: administration, regime, state

(1) **government** bureaucracy, (2) **government** funding
The federal **government** is planning to increase taxes for the next fiscal year.

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**.

diverse *adj.* including numerous categories of individuals or entities; various

synonym: manifold, various, myriad

(1) **diverse** backgrounds, (2) a person of **diverse** talents

New York is a city with a **diverse** ethnic population.

participate *v.* to take part in something

synonym: take part, partake, enter

(1) **participate** fully in conversation, (2) **participate** in the program

The majority of students actively **participated** in the college's intramural sports program.

stimulate *v.* to encourage something to develop or become more active; to stir the feelings or emotions

synonym: excite, provoke, arouse

(1) **stimulate** the economy, (2) **stimulate** the nervous system

The book **stimulated** my imagination.

innovation *n.* the creation of a new device or process resulting from study and experimentation

synonym: invention, initiation, creation

(1) **innovation** leader, (2) cutting-edge **innovation**

The vegetarian burger was an **innovation** that quickly spread

to the United Kingdom.

sophisticated

adj. having a great deal of worldly experience and knowledge of people's behavior, culture, and fashion

synonym: refined, cultured, worldly

(1) **sophisticated** look, (2) a **sophisticated** lifestyle

Marketing strategies are growing more **sophisticated**.

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.

moral

adj. concerned with the principles of what is right and wrong, fairness, honesty, etc.

synonym: honest, ethical, conscientious

(1) **moral** hazard, (2) **moral** burden

Ethics deals with **moral** conduct.

ethical

adj. of or relating to principles about what is right and wrong, or the branch of knowledge dealing with these

synonym: honorable, moral, virtuous

(1) an **ethical** doctrine, (2) shoulder **ethical** responsibility

The president must have the highest **ethical** standards.

quest

n. a long or challenging search for something

synonym: exploration, inquisition, pursuit

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

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

louse

n. a small, wingless insect that lives on the bodies of mammals and birds, often considered a parasite; a contemptible or despicable person

synonym: bug, insect, parasite

(1) pubic **louse**, (2) **louse** egg

The child was sent home from school because of a lice infestation caused by one **louse**.

hands-on

adj. actively involved, practical; having hands involved in the doing or making of something

synonym: practical, involved, hands-in

(1) **hands-on** activity, (2) take a **hands-on** approach

The **hands-on** workshop allowed attendees to work with tools and materials, developing their skills in a hands-on environment.

aspiration

n. a strong desire to achieve something; the action or process of drawing breath

synonym: ambition, inhalation, intake

(1) no **aspiration** for fame, (2) **aspiration** into the lungs

He has an **aspiration** to become a doctor.

nonprofit

adj. not established for commercial profit

synonym: charitable

(1) a **nonprofit** organization, (2) **nonprofit** agency

Our law firm also focuses on **nonprofit** activities.

communal

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

synonym: collaborative, combined, collective

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

Communal elections were held in several European countries.

potter

n. a person who makes pottery, objects that are made of clay and then fired in a kiln to make them hard and durable; (verb, also putter) to occupy oneself in a leisurely or casual way, often with no particular goal or aim in mind

synonym: shape, form, mold

(1) **potter's** studio, (2) **potter** around in the garden

The ancient Egyptians were skilled **potters** and left behind many beautiful artifacts.

atmosphere

n. the mass of air that surrounds the Earth; the pervading tone or mood of a place, situation, or creative work

synonym: air, ambiance, circumstances

(1) carbon dioxide in the **atmosphere**, (2) a convivial **atmosphere**

The spaceship began to burn up as it approached the Earth's **atmosphere**.

literacy

n. the ability to read and write; the ability to use written language to communicate effectively

synonym: education, reading, writing

(1) digital **literacy**, (2) financial **literacy**

Many charities focus on improving **literacy** rates in underprivileged communities.

biohazard

n. a biological substance or infectious agent that poses a threat to human health or the environment, typically requiring special handling, containment, or disposal procedures to prevent the spread of disease or contamination

synonym: biothreat, infectious material

(1) **biohazard** waste, (2) **biohazard** containment

Workers in the lab must wear protective clothing due to the **biohazard** materials present.

depress

v. to make someone feel sad, low in spirits, or without hope; to make markets, businesses, etc., less active

synonym: sadden, discourage, deflate

(1) **depress** their spirits, (2) **depress** crop prices

The economic recession **depressed** the housing market.

hack

v. to hit and cut somebody or something roughly and violently; to find a bug in a computer program and break into their systems or networks

synonym : cut, chop, crack

(1) **hack** through the jungle, (2) **hack** into the program

This blog offers a variety of tips for **hacking** everyday life.

regulation

n. an official rule made and maintained by a government or some other authority; the act of controlling or directing something according to a rule

synonym : constraint, restriction, rule

(1) a company **regulation**, (2) **regulation** by the government

The **regulation** approved by Congress was perfunctorily implemented.

vibrant

adj. full of energy, life, and enthusiasm

synonym : animated, dynamic, deep

(1) a city **vibrant** with life, (2) variety of **vibrant** colors

A **vibrant** private sector is crucial for economic growth.

individual

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

synonym : person, being, self

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

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

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.

reverse

v. to change something's direction, order, position, decision, etc., to the opposite one; (adjective) directed or moving toward the rear

synonym : overturn, shift, switch

(1) **reverse** the trend, (2) **reverse** the order

The restaurant **reversed** a ban on smoking.

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.

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.

genetically

adv. in a way that relates to or is produced by genes (= the units in the cells of a living thing received by an animal or plant from its parents) or heredity

synonym : hereditary, inherited, family-related

(1) **genetically** inherited traits, (2) **genetically** manipulated plant

The **genetically** modified crops were resistant to pests and required less water.

bacteria

n. single-celled or noncellular spherical or spiral or rod-shaped organisms that exist in large numbers in the air, water, and soil, and also in living and dead creatures and plants, and are often a cause of disease

synonym : microorganism, microbe

(1) pathogenic **bacteria**, (2) harmless **bacteria**

Bacteria prevalent in hospitals are often resistant to antibiotics.

hardware

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

synonym : gear, apparatus, gadget

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

hardware

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

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**.

wetware

n. the human brain and neurological system, particularly in the context of artificial intelligence and computing

synonym: brain tissue, biological neural network

(1) **wetware** technology, (2) artificial **wetware**

The researchers studied the function of the brain's **wetware** to learn more about how it processes information.

glow

v. to give out a steady, strong light

synonym: shine, radiate, beam

(1) **glow** a pale orange, (2) **glow** gold in the light

The sun was setting, and the sky **glowed** with beautiful colors.

spirit

n. the part of a person which is the seat of their mind, feelings, and character rather than their physical body; the general atmosphere of a place or situation and the effect that it has on people

synonym: soul, attitude, enthusiasm

(1) **spirit** and the letter of the law, (2) an indomitable **spirit**

Despite their tragic loss, the family is showing great **spirit**.

security

n. the state of being free from danger, risk, or harm; measures taken to protect against threats or attacks; a financial asset, such as a stock or bond that derives value exclusively from the ownership interest or claim to a particular underlying asset or obligation

synonym : safety, protection, stock

(1) national **security**, (2) **security** analyst

The building's **security** system includes cameras, alarms, and security guards.

minimize

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

synonym : diminish, mitigate, belittle

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

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

inherent

adj. existing in something as a permanent, essential, or characteristic attribute

synonym : intrinsic, natural, innate

(1) **inherent** risk, (2) have an **inherent** dislike

Honesty is an **inherent** quality that everyone should strive to possess.

dual

adj. having two parts, aspects, or elements

synonym : twofold, binary, double

(1) **dual** purpose, (2) **dual** nationality

This laptop has a **dual-core** processor, making it fast and efficient.

synthetic

adj. made by combining chemical substances as opposed to being naturally occurring

synonym : artificial, manufactured, fabricated

(1) **synthetic** fiber, (2) **synthetic** fertilizer

Synthetic diamonds play an essential role as machine tool blades.

compel

v. to force or require someone to do something; to exert a strong, irresistible force or pressure that makes someone act in a certain way

synonym : force, oblige, coerce

(1) **compel** a person to submission, (2) **compel** attention
The strict deadlines will **compel** the team to work efficiently.

amateur

adj. engaging in an activity or pursuing a particular interest without professional knowledge, training, or experience; non-professional

synonym: novice, inexperienced, non-professional

(1) an **amateur** magician, (2) an **amateur** musician
The **amateur** photographer captured some stunning shots during the sunset.

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.

infrastructure

n. the basic systems, services, or features that are necessary for an organization or country, such as transport and power supplies

synonym: foundation, framework

(1) IT **infrastructure**, (2) **infrastructure** cost

Aging societies tend to require huge costs for **infrastructure** maintenance.

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.

pathogen

n. a bacterium, virus, or other microorganism that causes disease

synonym: germ, microbe, bacterium

(1) plant **pathogen**, (2) the **pathogen** in the air
mRNA vaccines are approved faster because they do not
contain inactivated **pathogens**.

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.

conclude

v. to come to an end or close; to reach a judgment or
opinion by reasoning

synonym: complete, finish, decide

(1) **conclude** a meeting, (2) **conclude** that he is healthy

We **concluded** a cease-fire.

negative

adj. having the quality of something bad or harmful;
expressing refusal

synonym: minus, adverse, pessimistic

(1) have a **negative** effect, (2) a **negative** number

The movie has received almost universally **negative**
criticism.

specifically

adv. only associated with or meant for one thing

synonym: especially, particularly, notably

(1) designed **specifically** for men, (2) for **specifically**
American customers

This ad campaign is aimed **specifically** at young women.

surprisingly

adv. in a way that causes amazement or wonder

synonym: exceptionally, notably, unusually

(1) **surprisingly** advanced culture, (2) have **surprisingly**
little effect

The exam was **surprisingly** tricky for everyone.

tendency

n. an inclination or predisposition towards a particular behavior, attitude, or course of action; a natural or prevailing tendency or characteristic

synonym : inclination, propensity, proclivity

(1) economic **tendency**, (2) curious **tendency**

There is a growing **tendency** among young people to prioritize experiences over material possessions.

consistent

adj. always behaving or happening in the same way, or having the same thoughts, standards, etc.

synonym : coherent, constant, compatible

(1) do on a **consistent** basis, (2) get **consistent** results

You are not **consistent** in your behavior.

overestimate

v. to estimate something to be greater in amount or importance than it really is

synonym : overrate, overvalue, embellish

(1) **overestimate** the value, (2) **overestimate** the amount of time spent

He tends to **overestimate** his abilities.

capability

n. the ability, skill, or competence to do something; the potential or aptitude for a particular task or function

synonym : ability, capacity, competence

(1) **capability** assessment, (2) technological **capability**

The company's pricing strategy limits its **capability** to compete with other businesses in the market.

underestimate

v. to think or suppose that a quantity, price, or size is smaller than it is

synonym : underrate, misjudge, miscalculate

(1) **underestimate** an enemy, (2) **underestimate** the probability

They frequently **underestimated** their abilities and felt inferior.

ethics

n. a branch of philosophy that considers what is morally right and wrong conduct; a set of beliefs about what is morally right and wrong

synonym : morals, principles, moralities

(1) political **ethics**, (2) **ethics** of journalism

This scripture provides the code of **ethics** for the religion.

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.

dispose

v. to put things or people in a particular manner or position; to incline someone towards a specific activity or mood; throw or cast away

synonym : get rid of, arrange, set

(1) **dispose** battleships for a battle, (2) **dispose** of a used product

Generally speaking, the child is innately **disposed** to learn a language.

prop

n. a piece of wood, metal, etc., placed beneath or against something to support it or keep it in position; a system, institution, or person that gives help or support to someone or something

synonym : support, buttress, column

(1) emotional **prop**, (2) **prop** stick

We have finally lost our last **prop**.

procedure

n. a way of doing something, especially the official or well-known way

synonym : action, approach, course

(1) undergo a surgical **procedure**, (2) standard **procedure**

The pilot and flight attendant ran through the check-out **procedure**.

terrorism

n. the use of violence to attain political or religious goals or to compel a government to act

(1) **terrorism** against civilians, (2) anti- **terrorism** bill

Democracy is utterly opposed to any form of **terrorism**.

accident

n. an unfortunate event, especially one causing damage or injury

synonym: calamity, casualty, chance

(1) cause an **accident**, (2) injury in a car **accident**

The **accident** partially destroyed my vehicle.

organism

n. a tiny living thing

synonym: being, creature

(1) aerobic **organism**, (2) group of **organisms**

A diversified plant species generally enhances beneficial **organism** populations.

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.

accidentally

adv. by chance or without planning

synonym: by chance, unintentionally, unwittingly

(1) they met **accidentally**, (2) **accidentally** coincide

He was **accidentally** killed by friendly fire.

superbug

n. a strain of bacteria that is resistant to multiple types of antibiotics, making it difficult or impossible to treat with traditional medications

synonym: super bacteria, antibiotic-resistant bacteria

(1) **superbug** outbreak, (2) **superbug** infection

The hospital is battling a **superbug** that is resistant to antibiotics.

literally

adv. in the real or original meaning of a word or phrase; in a literal sense or way; not figuratively

synonym : actually, truly, verily

(1) translate **literally**, (2) bite his tongue **literally**

He **literally** jumped out of his chair when he heard the news.

snowstorm

n. a storm with heavy snowfall, usually with a strong wind

synonym : blizzard, winter storm, snow squall

(1) **snowstorm** warning, (2) a northern **snowstorm**

The news warned of a potentially dangerous **snowstorm** expected to hit the area.

desert

n. arid land with little or no vegetation often covered with sand or rocks

(1) **desert** basin, (2) oasis in the **desert**

This region is predominantly **desert**.

medical

adj. relating to the treatment of illness or injuries; relating to the practice of medicine

synonym : health, disease, treatment

(1) a **medical** opinion, (2) temporary **medical** treatment

The **medical** team worked quickly to save the patient's life.

identity

n. the fact of being who or what somebody or something is; the features, emotions, or ideas that distinguish persons from one another

synonym : character, personality, individuality

(1) mistaken **identity**, (2) **identity** as an individual

The terrorist's **identity** remains unknown.

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.

consent

n. permission or agreement to do something, especially given by somebody in authority

synonym: approval, authorization, concession

(1) **consent** for surgery, (2) give silent **consent**

She gave her **consent** to the company's proposal.

portion

n. one component of a larger entity

synonym: part, amount, fragment

(1) the inner **portion** of the body, (2) large **portion**

The rocket's front **portion** falls off.

download

v. to transfer data or files from the Internet or computer network to a user's computer or device; (noun) the process of transferring data or information from a remote or central computer to a local computer or device

synonym: load, save, transfer

(1) **download** files from the Internet, (2) **download** the assignment from the website

I need to **download** the latest update for my computer's operating system.

synthesize

v. to combine a substance to make a more complex product or compound

synonym: incorporate, amalgamate

(1) **synthesize** molecules, (2) **synthesize** information

The spider can **synthesize** multiple different silk proteins.

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

outcome

n. the result or effect of an action, event, etc.

synonym: result, consequence, effect

(1) improved student **outcomes**, (2) a desirable **outcome**
They awaited news of the **outcome** of the election.

outweigh

v. to be heavier, more significant, or more critical than something

synonym: dominate, outrank, overpower

(1) **outweigh** the benefit, (2) **outweigh** our wishes

The advantages would undoubtedly **outweigh** the disadvantages.

laboratory

n. a workplace for doing scientific research or teaching science; a lab

synonym: lab, workshop, testing room

(1) **laboratory** accident, (2) anthropology **laboratory**

Animal protection groups call for an end to animal testing in a **laboratory**.

tip

n. the top or extreme point of something slender or tapering, usually a mountain or hill; a piece of advice about something practical; a small amount of money given for services

synonym: edge, advice, gratuity

(1) the **tip** of a paintbrush, (2) give the waiter a **tip** .

I will introduce some **tips** on learning English in this class.

iceberg

n. a large piece of ice floating in the sea, detached from a glacier

synonym: glacier, ice mass, floe

(1) hit an **iceberg**, (2) **iceberg** melting

The ship encountered a series of **icebergs** and had to change its course.

journalist

n. a person who collects and writes news stories or articles for newspapers, magazines, radio, television, or other online media

synonym: reporter, newsperson, press

(1) a China-based **journalist**, (2) **journalist** on a magazine

Foreign TV crews and **journalists** can go as they please in various locations during the Olympics.

analyze

v. to think about in-depth and evaluate to discover essential features or meaning

synonym: explore, examine, investigate

(1) **analyze** a chemical compound, (2) **analyze** your real motives

The teacher attempted to **analyze** the root cause of our mistake.

saliva

n. the clear liquid that is secreted into the mouth by glands in the walls of the mouth and throat, helping to lubricate food during chewing and digestion

synonym: spit, drool, slobber

(1) dog's **saliva**, (2) dry mouth with little **saliva**

The dentist asked him to spit out the excess **saliva** into the sink.

identify

v. to recognize someone or something and say or prove who or what they are

synonym: determine, specify, recognize

(1) **identify** handwriting, (2) **identify** gene sequences

I will introduce you to how to **identify** the leading causes of the malfunction.

confront

v. to face, meet or deal with a problem or difficult situation or person

synonym: engage, encounter, contend

(1) **confront** a global warming, (2) **confront** the issue

He finally decided to **confront** problems directly.

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**.

invasive

adj. spreading very quickly, and often aggressively, and difficult to stop

synonym: aggressive, rampant, spreading

(1) **invasive** breast cancer, (2) **invasive** species

The **invasive** disease can spread quickly and potentially cause a global pandemic.

backyard

n. a whole space behind and belonging to a house

synonym: courtyard, garden

(1) play in the **backyard**, (2) **backyard** barbecue

He grows vegetables in his **backyard**.

ladybug

n. a small, round, usually red or orange beetle with black spots, which feeds on aphids and other small insects

synonym: ladybird, lady beetle

(1) **ladybug** on a leaf, (2) **ladybug** larvae

Some species of **ladybugs** have a strong, unpleasant smell and are also called stink bugs.

beetle

n. an insect having a hard shell-like back covering its wings

(1) **beetle** brows, (2) a **beetle** larva

In ancient civilizations, the scarab **beetle** was worshiped as a sacred creature.

barcode

n. a series of parallel lines of varying width and spacing printed on a product or package, which can be read by a barcode scanner to quickly and accurately identify the product and its price

synonym: scan, QR code

(1) **barcode** reader, (2) product **barcode**

The cashier scanned the **barcode** on the packaging to ring up the price.

caviar

n. the eggs of sturgeon or other large fish considered a delicacy and used especially in appetizers

synonym : roe, sturgeon eggs

(1) salmon **caviar**, (2) **caviar** farm

The menu at the fancy restaurant featured a selection of **caviar** from around the world.

beluga

n. a type of whale found mainly in Arctic and sub-Arctic waters

synonym : white whale, sea canary, beluga sturgeon

(1) **beluga** sturgeon, (2) **beluga** caviar

Beluga whales are known for their distinctive white color and vocalizations.

sushi

n. a Japanese dish consisting of vinegared rice, often combined with fish or vegetables and sometimes wrapped in seaweed

synonym : raw fish, sashimi, nigiri

(1) **sushi** bar, (2) **sushi** roll

I love going out for **sushi** with my friends on Friday nights.

tuna

n. a large fish of the mackerel family, found in warm seas; commonly used for commercial and sport fishing and as a food source for humans and other animals

(1) **tuna** steak, (2) canned **tuna**

I made a **tuna** sandwich for lunch today.

mutation

n. the way in which genes of a person, plant, animal, or other organism change and produce permanent differences

synonym : metamorphosis, transformation, alteration

(1) **mutation** of DNA, (2) hereditary **mutation**

Radiation often promotes genetic **mutations** in plants and animals.

cereal

n. a type of grain used for food, such as wheat, oats, or corn that is typically ground into flour, cooked into

porridge, or used to make breakfast cereals

synonym : grain, oatmeal, breakfast food

(1) **cereal** grain, (2) cold **cereal**

I always start my morning with a bowl of **cereal**.

explore

v. to travel to or penetrate an area or a country to learn about it; to thoroughly examine a subject or a possibility to learn more about it

synonym : analyze, delve into, examine

(1) **explore** the world, (2) **explore** our options

The management must **explore** strategies to increase office security.

ancestry

n. the family or the ethnic descent that you come from

synonym : ancestor, family, descent

(1) a distinguished **ancestry**, (2) prehuman **ancestry**

He looked down on the royal **ancestry** of the neighboring country.

balloon

n. a small bag made of thin rubber or other light material that can be inflated with air or gas, used as a toy or as a decoration; (verb) to become inflated

synonym : aerostat, blimp, (verb) billow out

(1) **balloon** ride, (2) **balloon** into a severe political problem

The satellite **balloon** slowly ascended into the sky.

stratosphere

n. the second layer of the Earth's atmosphere, extending from about 7 to 50 kilometers above the Earth's surface, containing the ozone layer

synonym : upper atmosphere, ozone layer

(1) **stratosphere** layer, (2) **stratosphere** ozone

The ozone layer, which protects us from harmful UV radiation, is in the **stratosphere**.

microbe

n. a tiny living thing that can only be seen with a microscope and that may cause disease

synonym :

germ, microorganism, bacterium

(1) pathogenic **microbe**, (2) **microbes** sterilizer

Microbes thrive on the surface of the human skin.

cancel

n. a person or institution responsible for examining books, movies, and other forms of media to determine if they are harmful or offensive and should be banned or altered; an official in charge of banning or suppressing information

synonym: suppressor, scrutineer, examiner

(1) **cancel** a book, (2) **cancel** a TV program

The newspaper editor decided to **cancel** the controversial headline to avoid backlash.

yeast

n. a type of fungus that is used in making alcoholic drinks such as beer and wine or to make bread rise

synonym: leaven, fungus

(1) **yeast** cell, (2) **yeast-leavened** bread

They carefully nurture a **yeast** fungus used to produce sake.

detect

v. to find or recognize something, especially something difficult to see, hear, etc.

synonym: catch, observe, notice

(1) **detect** a bad event, (2) **detect** smuggling across borders

The security camera has **detected** four intruders.

pollutant

n. a substance or agent that pollutes or contaminates the environment, typically through release into the air, water, or soil

synonym: contaminant, toxic substance

(1) noxious **pollutant**, (2) water **pollutant**

The factory's use of chemicals has made it a significant **pollutant** in the area.

biofuel

n. a fuel produced from organic matter, such as crops or waste material, that can be used to replace or supplement traditional fossil fuels

synonym: renewable energy, green fuel, alternative fuel

(1) **biofuel** production, (2) **biofuel** technology

The airplane was powered by a **biofuel** made from plant-based materials.

spectacular

adj. striking or impressive to look at or in performance or achievement

synonym: breathtaking, impressive, grand

(1) **spectacular** view, (2) achieve **spectacular** growth

The **spectacular** fireworks display was the highlight of the festival.

ecology

n. the study of the relationships between living organisms, including humans, and their physical environment

(1) science of **ecology**, (2) the **ecology** of the island

Many companies are now enthusiastically embracing the knowledge of **ecology** for sustainable development.

perspective

n. a confident attitude toward something; a particular style of thinking about something

synonym: viewpoint, standpoint, outlook

(1) a **perspective** view, (2) the **perspective** of the battle

His father's death changed his whole **perspective** on life.

mainstream

n. the ideas, opinions, beliefs, etc., that are considered normal or accepted by most people

synonym: prevailing, average, common

(1) join the **mainstream**, (2) **mainstream** political beliefs

His thinking is **mainstream** in the country's culture.

sacred

adj. connected with religion or religious purposes; worthy of respect or dedication because of a connection with a god

synonym: holy, inviolable, hallowed

(1) **sacred** music, (2) the halo of a **sacred** image

This space is a private office **sacred** to the President

justify

v. to provide a valid or reasonable explanation, reasoning, or evidence in support of a belief, action, or decision; to defend or vindicate something as right or valid

synonym: validate, defend, support

(1) **justify** my beliefs, (2) **justify** your decision

The lawyer tried to **justify** his client's actions by presenting evidence of their difficult upbringing.

humankind

n. the whole of the living human inhabitants of the earth

synonym: humanity, human race, society

(1) **humankind** as a species, (2) history of **humankind**

On the geological time scale, **humankind** has existed for a brief moment.

feasible

adj. capable of being or likely to be made, done, or achieved

synonym: achievable, possible, attainable

(1) economically **feasible**, (2) **feasible** assumption

It is not **feasible** and inefficient to complete many tasks at once.

guideline

n. a general rule or principle that provides guidance to appropriate behavior; a piece of advice or instructions that tell you how something should be done or what something should be

synonym: policy, direction, protocol

(1) an education **guideline**, (2) **guideline** for clinical trial

This book will be a practical **guideline** when coding.

perception

n. a belief, opinion, or image you have based on how you regard, understand, or interpret something; the ability to see, hear, or notice something through the senses

synonym: understanding, idea, awareness

(1) keen **perception**, (2) **perception** of a stimulus

He is a man admired for the depth of his **perception**.

spawn

v. to lay eggs or to produce offspring; to cause something to develop

synonym : beget, breed, generate

(1) **spawn** in spring, (2) **spawn** a new concept

The salmon swims upstream to **spawn** in the place they were released.

compute

v. to make a mathematical calculation

synonym : calculate

(1) **compute** an average score, (2) **compute** the value

I tried to **compute** the efficiency of the investment.

AI

n. (abbreviation for artificial intelligence) the theory and development of computer systems capable of doing activities that would ordinarily need human intelligence, such as object recognition, speech recognition, decision-making, and language translation

synonym : robot, machine learning, neural network

(1) **AI** expert, (2) apply **AI** technology to art

The evolution of processors has dramatically improved the performance of **AI**.

Session 2: Spelling

- | | |
|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. undergo a surgical pr_____re | <i>n.</i> a way of doing something, especially the official or well-known way |
| 2. de___t a bad event | <i>v.</i> to find or recognize something, especially something difficult to see, hear, etc. |
| 3. p__p stick | <i>n.</i> a piece of wood, metal, etc., placed beneath or against something to support it or keep it in position; a system, institution, or person that gives help or support to someone or something |
| 4. national se_____ty | <i>n.</i> the state of being free from danger, risk, or harm; measures taken to protect against threats or attacks; a financial asset, such as a stock or bond that derives value exclusively from the ownership interest or claim to a particular underlying asset or obligation |
| 5. smokeless f__l | <i>n.</i> a substance that is typically burned to generate heat or energy |
| 6. sequencing of the human ge___e | <i>n.</i> the complete set or sequence of genes of a human, animal, plant, or other living things |
| 7. digital li_____cy | <i>n.</i> the ability to read and write; the ability to use written language to communicate effectively |
| 8. mo__l burden | <i>adj.</i> concerned with the principles of what is right and wrong, fairness, honesty, etc. |

ANSWERS: 1. procedure, 2. detect, 3. prop, 4. security, 5. fuel, 6. genome, 7. literacy, 8. moral

9. large po____n *n.* one component of a larger entity
10. sy_____ic fiber *adj.* made by combining chemical substances as opposed to being naturally occurring
11. asp_____on into the lungs *n.* a strong desire to achieve something; the action or process of drawing breath
12. give the waiter a t_p. *n.* the top or extreme point of something slender or tapering, usually a mountain or hill; a piece of advice about something practical; a small amount of money given for services
13. in_____e a lot of paperwork *v.* to include or affect someone or something as a necessary part of something else
14. se_____ty analyst *n.* the state of being free from danger, risk, or harm; measures taken to protect against threats or attacks; a financial asset, such as a stock or bond that derives value exclusively from the ownership interest or claim to a particular underlying asset or obligation
15. ju_____y my beliefs *v.* to provide a valid or reasonable explanation, reasoning, or evidence in support of a belief, action, or decision; to defend or vindicate something as right or valid
16. d__l nationality *adj.* having two parts, aspects, or elements
17. the qu__t for truth *n.* a long or challenging search for something

ANSWERS: 9. portion, 10. synthetic, 11. aspiration, 12. tip, 13. involve, 14. security, 15. justify, 16. dual, 17. quest

18. variety of vi_____t colors *adj.* full of energy, life, and enthusiasm
19. und_____ate an enemy *v.* to think or suppose that a quantity, price, or size is smaller than it is
20. an et_____l doctrine *adj.* of or relating to principles about what is right and wrong, or the branch of knowledge dealing with these
21. public education ad_____tes *n.* a person who supports or suggests an idea, development, or way of doing something
22. pot_____ly lucrative *adv.* in a possible state or condition; possibly
23. 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
24. po____r's studio *n.* a person who makes pottery, objects that are made of clay and then fired in a kiln to make them hard and durable; (verb, also putter) to occupy oneself in a leisurely or casual way, often with no particular goal or aim in mind
25. complete no_____ly *adv.* usually; under normal conditions
26. translate li_____ly *adv.* in the real or original meaning of a word or phrase; in a literal sense or way; not figuratively
27. gov_____nt bureaucracy *n.* the group of people with authority to control a country or state
28. join the mai_____am *n.* the ideas, opinions, beliefs, etc., that are considered normal or accepted by most people

ANSWERS: 18. vibrant, 19. underestimate, 20. ethical, 21. advocate, 22. potentially, 23. discovery, 24. potter, 25. normally, 26. literally, 27. government, 28. mainstream

29. co_____al swimming pool *adj.* belonging to or used by a group rather than individuals; for common use
30. AI expert *n.* (abbreviation for artificial intelligence) the theory and development of computer systems capable of doing activities that would ordinarily need human intelligence, such as object recognition, speech recognition, decision-making, and language translation
31. su__i bar *n.* a Japanese dish consisting of vinegared rice, often combined with fish or vegetables and sometimes wrapped in seaweed
32. str_____ere layer *n.* the second layer of the Earth's atmosphere, extending from about 7 to 50 kilometers above the Earth's surface, containing the ozone layer
33. anti-te_____sm bill *n.* the use of violence to attain political or religious goals or to compel a government to act
34. bi_____rd containment *n.* a biological substance or infectious agent that poses a threat to human health or the environment, typically requiring special handling, containment, or disposal procedures to prevent the spread of disease or contamination
35. ex_____e our options *v.* to travel to or penetrate an area or a country to learn about it; to thoroughly examine a subject or a possibility to learn more about it

ANSWERS: 29. communal, 30. AI, 31. sushi, 32. stratosphere, 33. terrorism, 34. biohazard, 35. explore

36. do____ad files from the Internet *v.* to transfer data or files from the Internet or computer network to a user's computer or device; (noun) the process of transferring data or information from a remote or central computer to a local computer or device
37. the halo of a sa____d image *adj.* connected with religion or religious purposes; worthy of respect or dedication because of a connection with a god
38. str____ere ozone *n.* the second layer of the Earth's atmosphere, extending from about 7 to 50 kilometers above the Earth's surface, containing the ozone layer
39. carbon dioxide in the atm____re *n.* the mass of air that surrounds the Earth; the pervading tone or mood of a place, situation, or creative work
40. co____nt the issue *v.* to face, meet or deal with a problem or difficult situation or person
41. d__l purpose *adj.* having two parts, aspects, or elements
42. do____ad the assignment from the website *v.* to transfer data or files from the Internet or computer network to a user's computer or device; (noun) the process of transferring data or information from a remote or central computer to a local computer or device
43. a seafaring na____n *n.* a large organized community of people living in a particular country or region and having a particular culture

ANSWERS: 36. download, 37. sacred, 38. stratosphere, 39. atmosphere, 40. confront, 41. dual, 42. download, 43. nation

44. fl___r enhancer *n.* the taste sensation produced by a substance in the mouth
45. on a qu__t for happiness *n.* a long or challenging search for something
46. su__i roll *n.* a Japanese dish consisting of vinegared rice, often combined with fish or vegetables and sometimes wrapped in seaweed
47. pr_____le outcome *adj.* likely to happen or likely to be true
48. harmless ba_____ia *n.* single-celled or noncellular spherical or spiral or rod-shaped organisms that exist in large numbers in the air, water, and soil, and also in living and dead creatures and plants, and are often a cause of disease
49. di_____e of a used product *v.* to put things or people in a particular manner or position; to incline someone towards a specific activity or mood; throw or cast away
50. pot_____ly affected *adv.* in a possible state or condition; possibly
51. the per_____ve of the battle *n.* a confident attitude toward something; a particular style of thinking about something
52. an ad_____te of disarmament *n.* a person who supports or suggests an idea, development, or way of doing something
53. na___n-state *n.* a large organized community of people living in a particular country or region and having a particular culture

ANSWERS: 44. flavor, 45. quest, 46. sushi, 47. probable, 48. bacteria, 49. dispose, 50. potentially, 51. perspective, 52. advocate, 53. nation

54. we_____e technology *n.* the human brain and neurological system, particularly in the context of artificial intelligence and computing
55. an am_____r musician *adj.* engaging in an activity or pursuing a particular interest without professional knowledge, training, or experience; non-professional
56. IT inf_____ure *n.* the basic systems, services, or features that are necessary for an organization or country, such as transport and power supplies
57. 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
58. a per_____ve view *n.* a confident attitude toward something; a particular style of thinking about something
59. a northern sn_____rm *n.* a storm with heavy snowfall, usually with a strong wind
60. plant pa_____en *n.* a bacterium, virus, or other microorganism that causes disease
61. jou_____st on a magazine *n.* a person who collects and writes news stories or articles for newspapers, magazines, radio, television, or other online media
62. gen_____ly manipulated plant *adv.* in a way that relates to or is produced by genes (= the units in the cells of a living thing received by an animal or plant from its parents) or heredity

ANSWERS: 54. wetware, 55. amateur, 56. infrastructure, 57. facility, 58. perspective, 59. snowstorm, 60. pathogen, 61. journalist, 62. genetically

63. sp__n a new concept *v.* to lay eggs or to produce offspring; to cause something to develop
64. su____ug infection *n.* a strain of bacteria that is resistant to multiple types of antibiotics, making it difficult or impossible to treat with traditional medications
65. ou____gh the benefit *v.* to be heavier, more significant, or more critical than something
66. science of ec____y *n.* the study of the relationships between living organisms, including humans, and their physical environment
67. private se____r *n.* a distinct part or division of something often used to refer to a segment of an economy or industry; an area or field of work or activity
68. get a con_____nal loan *adj.* based on or following traditional rules, standards, customs, etc.
69. bi____rd waste *n.* a biological substance or infectious agent that poses a threat to human health or the environment, typically requiring special handling, containment, or disposal procedures to prevent the spread of disease or contamination
70. sp____t and the letter of the law *n.* the part of a person which is the seat of their mind, feelings, and character rather than their physical body; the general atmosphere of a place or situation and the effect that it has on people
71. t__a steak *n.* a large fish of the mackerel family, found in warm seas; commonly used for commercial and sport fishing and as a food source for humans and other animals

ANSWERS: 63. spawn, 64. superbug, 65. outweigh, 66. ecology, 67. sector, 68. conventional, 69. biohazard, 70. spirit, 71. tuna

72. und_____ate the probability *v.* to think or suppose that a quantity, price, or size is smaller than it is
73. in_____ve species *adj.* spreading very quickly, and often aggressively, and difficult to stop
74. de_____s crop prices *v.* to make someone feel sad, low in spirits, or without hope; to make markets, businesses, etc., less active
75. inf_____ure cost *n.* the basic systems, services, or features that are necessary for an organization or country, such as transport and power supplies
76. noxious po_____nt *n.* a substance or agent that pollutes or contaminates the environment, typically through release into the air, water, or soil
77. par_____te fully in conversation *v.* to take part in something
78. co_____de that he is healthy *v.* to come to an end or close; to reach a judgment or opinion by reasoning
79. ju_____y your decision *v.* to provide a valid or reasonable explanation, reasoning, or evidence in support of a belief, action, or decision; to defend or vindicate something as right or valid
80. re_____e the trend *v.* to change something's direction, order, position, decision, etc., to the opposite one; (adjective) directed or moving toward the rear
81. lab_____ry accident *n.* a workplace for doing scientific research or teaching science; a lab

ANSWERS: 72. underestimate, 73. invasive, 74. depress, 75. infrastructure, 76. pollutant, 77. participate, 78. conclude, 79. justify, 80. reverse, 81. laboratory

82. nontechnical as___ts of the job *n.* one part or feature of a situation, problem, subject, etc.
83. political et___s *n.* a branch of philosophy that considers what is morally right and wrong conduct; a set of beliefs about what is morally right and wrong
84. hereditary mu_____on *n.* the way in which genes of a person, plant, animal, or other organism change and produce permanent differences
85. ba_____n into a severe political problem *n.* a small bag made of thin rubber or other light material that can be inflated with air or gas, used as a toy or as a decoration; (verb) to become inflated
86. ba_____e reader *n.* a series of parallel lines of varying width and spacing printed on a product or package, which can be read by a barcode scanner to quickly and accurately identify the product and its price
87. burning of fo___l fuels *n.* any preserved remains, impression, or trace of any once-living thing that has become hard and turned into rock
88. acc_____lly coincide *adv.* by chance or without planning
89. anthropology lab_____ry *n.* a workplace for doing scientific research or teaching science; a lab
90. inn_____on leader *n.* the creation of a new device or process resulting from study and experimentation
91. ce___l grain *n.* a type of grain used for food, such as wheat, oats, or corn that is typically ground into flour, cooked into porridge, or used to make breakfast cereals

ANSWERS: 82. aspect, 83. ethics, 84. mutation, 85. balloon, 86. barcode, 87. fossil, 88. accidentally, 89. laboratory, 90. innovation, 91. cereal

92. dry mouth with little sa___a *n.* the clear liquid that is secreted into the mouth by glands in the walls of the mouth and throat, helping to lubricate food during chewing and digestion
93. sy_____ic fertilizer *adj.* made by combining chemical substances as opposed to being naturally occurring
94. an_____e a chemical compound *v.* to think about in-depth and evaluate to discover essential features or meaning
95. as___ts of social, political, and economic life *n.* one part or feature of a situation, problem, subject, etc.
96. for spe_____lly American customers *adv.* only associated with or meant for one thing
97. mo__l hazard *adj.* concerned with the principles of what is right and wrong, fairness, honesty, etc.
98. h__k into the program *v.* to hit and cut somebody or something roughly and violently; to find a bug in a computer program and break into their systems or networks
99. cause an ac_____nt *n.* an unfortunate event, especially one causing damage or injury
100. a delicate fl___r *n.* the taste sensation produced by a substance in the mouth
101. salmon ca___r *n.* the eggs of sturgeon or other large fish considered a delicacy and used especially in appetizers
102. mu_____on of DNA *n.* the way in which genes of a person, plant, animal, or other organism change and produce permanent differences

ANSWERS: 92. saliva, 93. synthetic, 94. analyze, 95. aspect, 96. specifically, 97. moral, 98. hack, 99. accident, 100. flavor, 101. caviar, 102. mutation

103. be___e brows *n.* an insect having a hard shell-like back covering its wings
104. bi_____l production *n.* a fuel produced from organic matter, such as crops or waste material, that can be used to replace or supplement traditional fossil fuels
105. the value of the E__o *n.* the official currency of most European Union countries
106. water po_____nt *n.* a substance or agent that pollutes or contaminates the environment, typically through release into the air, water, or soil
107. as_____te with people widely *v.* to mentally connect someone or something with someone or something else
108. sur_____gly advanced culture *adv.* in a way that causes amazement or wonder
109. re_____e the order *v.* to change something's direction, order, position, decision, etc., to the opposite one; (adjective) directed or moving toward the rear
110. a company reg_____on *n.* an official rule made and maintained by a government or some other authority; the act of controlling or directing something according to a rule
111. financial li_____cy *n.* the ability to read and write; the ability to use written language to communicate effectively
112. give silent co_____t *n.* permission or agreement to do something, especially given by somebody in authority

ANSWERS: 103. beetle, 104. biofuel, 105. euro, 106. pollutant, 107. associate, 108. surprisingly, 109. reverse, 110. regulation, 111. literacy, 112. consent

113. co___l attention *v.* to force or require someone to do something; to exert a strong, irresistible force or pressure that makes someone act in a certain way
114. aerobic or_____sm *n.* a tiny living thing
115. de___t smuggling across borders *v.* to find or recognize something, especially something difficult to see, hear, etc.
116. no_____it agency *adj.* not established for commercial profit
117. injury in a car ac_____nt *n.* an unfortunate event, especially one causing damage or injury
118. an_____e your real motives *v.* to think about in-depth and evaluate to discover essential features or meaning
119. g__w gold in the light *v.* to give out a steady, strong light
120. ye__t-leavened bread *n.* a type of fungus that is used in making alcoholic drinks such as beer and wine or to make bread rise
121. cap_____ty assessment *n.* the ability, skill, or competence to do something; the potential or aptitude for a particular task or function
122. biomass f__l *n.* a substance that is typically burned to generate heat or energy
123. de_____s their spirits *v.* to make someone feel sad, low in spirits, or without hope; to make markets, businesses, etc., less active
124. pubic lo__e *n.* a small, wingless insect that lives on the bodies of mammals and birds, often considered a parasite; a contemptible or despicable person

ANSWERS: 113. compel, 114. organism, 115. detect, 116. nonprofit, 117. accident, 118. analyze, 119. glow, 120. yeast, 121. capability, 122. fuel, 123. depress, 124. louse

125. hu_____nd as a species *n.* the whole of the living human inhabitants of the earth
126. bi_____l technology *n.* a fuel produced from organic matter, such as crops or waste material, that can be used to replace or supplement traditional fossil fuels
127. ind_____al freedom *n.* a single person or thing, as distinct from a group
128. traditional me_____al *adj.* of or relating to the treatment or cure of disease
129. ba_____n ride *n.* a small bag made of thin rubber or other light material that can be inflated with air or gas, used as a toy or as a decoration; (verb) to become inflated
130. 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
131. en_____er shortage *n.* a person whose job is designing, building, or maintaining something such as machines, structures, or software
132. E__o crises *n.* the official currency of most European Union countries
133. ca____r farm *n.* the eggs of sturgeon or other large fish considered a delicacy and used especially in appetizers
134. su_____ug outbreak *n.* a strain of bacteria that is resistant to multiple types of antibiotics, making it difficult or impossible to treat with traditional medications

ANSWERS: 125. humankind, 126. biofuel, 127. individual, 128. medicinal, 129. balloon, 130. movement, 131. engineer, 132. euro, 133. caviar, 134. superbug

135. ge___e analyses *n.* the complete set or sequence of genes of a human, animal, plant, or other living things
136. no asp_____on for fame *n.* a strong desire to achieve something; the action or process of drawing breath
137. curious te_____cy *n.* an inclination or predisposition towards a particular behavior, attitude, or course of action; a natural or prevailing tendency or characteristic
138. ba_____rd barbecue *n.* a whole space behind and belonging to a house
139. bite his tongue li_____ly *adv.* in the real or original meaning of a word or phrase; in a literal sense or way; not figuratively
140. pr_____le cause of a fire *adj.* likely to happen or likely to be true
141. a be___e larva *n.* an insect having a hard shell-like back covering its wings
142. modern bio_____ogy *n.* the application of technological processes and methods to biological systems to develop new products or techniques, such as genetically modified organisms or biopharmaceuticals
143. rev_____ize the technology *v.* to bring about a complete or radical change in something, often through the introduction of new methods or ideas
144. emotional p__p *n.* a piece of wood, metal, etc., placed beneath or against something to support it or keep it in position; a system, institution, or person that gives help or support to someone or something

ANSWERS: 135. genome, 136. aspiration, 137. tendency, 138. backyard, 139. literally, 140. probable, 141. beetle, 142. biotechnology, 143. revolutionize, 144. prop

145. spread of f__e news *adj.* not genuine; fraudulent or counterfeit
146. co____de a meeting *v.* to come to an end or close; to reach a judgment or opinion by reasoning
147. the ec____y of the island *n.* the study of the relationships between living organisms, including humans, and their physical environment
148. ce___r a TV program *n.* a person or institution responsible for examining books, movies, and other forms of media to determine if they are harmful or offensive and should be banned or altered; an official in charge of banning or suppressing information
149. not no____ly drink much *adv.* usually; under normal conditions
150. play in the ba____rd *n.* a whole space behind and belonging to a house
151. medical l_b *n.* a workplace for the conduct of scientific research; a laboratory
152. evolutionary bi____y *n.* the scientific study of life and the natural processes of living things
153. take a ha____on approach *adj.* actively involved, practical; having hands involved in the doing or making of something
154. st____te the nervous system *v.* to encourage something to develop or become more active; to stir the feelings or emotions
155. co____e an average score *v.* to make a mathematical calculation
156. re____e one word with another *v.* to take the place of something

ANSWERS: 145. fake, 146. conclude, 147. ecology, 148. censor, 149. normally, 150. backyard, 151. lab, 152. biology, 153. hands-on, 154. stimulate, 155. compute, 156. replace

157. apply AI technology to art *n.* (abbreviation for artificial intelligence) the theory and development of computer systems capable of doing activities that would ordinarily need human intelligence, such as object recognition, speech recognition, decision-making, and language translation
158. be ___ a caviar *n.* a type of whale found mainly in Arctic and sub-Arctic waters
159. cell and molecular bi_____y *n.* the scientific study of life and the natural processes of living things
160. in_____ve breast cancer *adj.* spreading very quickly, and often aggressively, and difficult to stop
161. mi_____es sterilizer *n.* a tiny living thing that can only be seen with a microscope and that may cause disease
162. co_____e the value *v.* to make a mathematical calculation
163. spe_____ar view *adj.* striking or impressive to look at or in performance or achievement
164. et___s of journalism *n.* a branch of philosophy that considers what is morally right and wrong conduct; a set of beliefs about what is morally right and wrong
165. sa___d music *adj.* connected with religion or religious purposes; worthy of respect or dedication because of a connection with a god
166. so_____re architect *n.* a set of computer programs and associated documentation and data for doing particular computational jobs

ANSWERS: 157. AI, 158. beluga, 159. biology, 160. invasive, 161. microbe, 162. compute, 163. spectacular, 164. ethics, 165. sacred, 166. software

167. industrial se___r *n.* a distinct part or division of something often used to refer to a segment of an economy or industry; an area or field of work or activity
168. sn_____rm warning *n.* a storm with heavy snowfall, usually with a strong wind
169. a person of di_____e talents *adj.* including numerous categories of individuals or entities; various
170. as_____te alcohol with gambling *v.* to mentally connect someone or something with someone or something else
171. a distinguished an_____ry *n.* the family or the ethnic descent that you come from
172. the se_____ce of the seasons *n.* a series of related events, actions, numbers, etc., which have a particular order
173. an am_____r magician *adj.* engaging in an activity or pursuing a particular interest without professional knowledge, training, or experience; non-professional
174. g__w a pale orange *v.* to give out a steady, strong light
175. economic te_____cy *n.* an inclination or predisposition towards a particular behavior, attitude, or course of action; a natural or prevailing tendency or characteristic
176. a desirable ou_____e *n.* the result or effect of an action, event, etc.
177. the inner po_____n of the body *n.* one component of a larger entity

ANSWERS: 167. sector, 168. snowstorm, 169. diverse, 170. associate, 171. ancestry, 172. sequence, 173. amateur, 174. glow, 175. tendency, 176. outcome, 177. portion

178. la____g larvae *n.* a small, round, usually red or orange beetle with black spots, which feeds on aphids and other small insects
179. hit an ic____g *n.* a large piece of ice floating in the sea, detached from a glacier
180. st____te the economy *v.* to encourage something to develop or become more active; to stir the feelings or emotions
181. issue a w__t *n.* a written legal order or command
182. l_b instrument *n.* a workplace for the conduct of scientific research; a laboratory
183. cutting-edge inn____on *n.* the creation of a new device or process resulting from study and experimentation
184. pathogenic ba____ia *n.* single-celled or noncellular spherical or spiral or rod-shaped organisms that exist in large numbers in the air, water, and soil, and also in living and dead creatures and plants, and are often a cause of disease
185. in____e a high degree of risk *v.* to include or affect someone or something as a necessary part of something else
186. eq__p an army *v.* to provide a person or a place with the things that are needed for a particular purpose or activity
187. dog's sa____a *n.* the clear liquid that is secreted into the mouth by glands in the walls of the mouth and throat, helping to lubricate food during chewing and digestion

ANSWERS: 178. ladybug, 179. iceberg, 180. stimulate, 181. writ, 182. lab, 183. innovation, 184. bacteria, 185. involve, 186. equip, 187. saliva

188. h__k through the jungle *v.* to hit and cut somebody or something roughly and violently; to find a bug in a computer program and break into their systems or networks
189. pro_____nal athlete *adj.* having or showing the skill appropriate to a particular job; competent or skillful
190. ye__t cell *n.* a type of fungus that is used in making alcoholic drinks such as beer and wine or to make bread rise
191. improved student ou_____es *n.* the result or effect of an action, event, etc.
192. gu_____ne for clinical trial *n.* a general rule or principle that provides guidance to appropriate behavior; a piece of advice or instructions that tell you how something should be done or what something should be
193. a vast inventory of ha_____re *n.* durable tools, machinery, and other equipment; the physical and electronic parts of a computer or other electronic systems
194. ove_____ate the value *v.* to estimate something to be greater in amount or importance than it really is
195. de__t basin *n.* arid land with little or no vegetation often covered with sand or rocks
196. ce___r a book *n.* a person or institution responsible for examining books, movies, and other forms of media to determine if they are harmful or offensive and should be banned or altered; an official in charge of banning or suppressing information

ANSWERS: 188. hack, 189. professional, 190. yeast, 191. outcome, 192. guideline, 193. hardware, 194. overestimate, 195. desert, 196. censor

197. syn_____ze information *v.* to combine a substance to make a more complex product or compound
198. standard pr_____re *n.* a way of doing something, especially the official or well-known way
199. certified pro_____nal secretary *adj.* having or showing the skill appropriate to a particular job; competent or skillful
200. id_____ty as an individual *n.* the fact of being who or what somebody or something is; the features, emotions, or ideas that distinguish persons from one another
201. id_____fy gene sequences *v.* to recognize someone or something and say or prove who or what they are
202. 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
203. achieve spe_____ar growth *adj.* striking or impressive to look at or in performance or achievement
204. per_____on of a stimulus *n.* a belief, opinion, or image you have based on how you regard, understand, or interpret something; the ability to see, hear, or notice something through the senses
205. pathogenic mi_____e *n.* a tiny living thing that can only be seen with a microscope and that may cause disease
206. reg_____on by the government *n.* an official rule made and maintained by a government or some other authority; the act of controlling or directing something according to a rule

ANSWERS: 197. synthesize, 198. procedure, 199. professional, 200. identity, 201. identify, 202. movement, 203. spectacular, 204. perception, 205. microbe, 206. regulation

207. an indomitable sp____t *n.* the part of a person which is the seat of their mind, feelings, and character rather than their physical body; the general atmosphere of a place or situation and the effect that it has on people
208. a town acc____le by rail *adj.* capable of being reached, easily got, or seen
209. group of or____sms *n.* a tiny living thing
210. gov____nt funding *n.* the group of people with authority to control a country or state
211. lo__e egg *n.* a small, wingless insect that lives on the bodies of mammals and birds, often considered a parasite; a contemptible or despicable person
212. cold ce____l *n.* a type of grain used for food, such as wheat, oats, or corn that is typically ground into flour, cooked into porridge, or used to make breakfast cereals
213. ove____ate the amount of time spent *v.* to estimate something to be greater in amount or importance than it really is
214. have an in____nt dislike *adj.* existing in something as a permanent, essential, or characteristic attribute
215. an education gu____ne *n.* a general rule or principle that provides guidance to appropriate behavior; a piece of advice or instructions that tell you how something should be done or what something should be
216. a city vi____t with life *adj.* full of energy, life, and enthusiasm

ANSWERS: 207. spirit, 208. accessible, 209. organism, 210. government, 211. louse, 212. cereal, 213. overestimate, 214. inherent, 215. guideline, 216. vibrant

217. mistaken id____ty *n.* the fact of being who or what somebody or something is; the features, emotions, or ideas that distinguish persons from one another
218. the DNA se____ce *n.* a series of related events, actions, numbers, etc., which have a particular order
219. copyrighted so____re *n.* a set of computer programs and associated documentation and data for doing particular computational jobs
220. di____e backgrounds *adj.* including numerous categories of individuals or entities; various
221. bio____ogy research *n.* the application of technological processes and methods to biological systems to develop new products or techniques, such as genetically modified organisms or biopharmaceuticals
222. rev____ize the industry *v.* to bring about a complete or radical change in something, often through the introduction of new methods or ideas
223. co____t for surgery *n.* permission or agreement to do something, especially given by somebody in authority
224. a China-based jou____st *n.* a person who collects and writes news stories or articles for newspapers, magazines, radio, television, or other online media
225. oasis in the de____t *n.* arid land with little or no vegetation often covered with sand or rocks

ANSWERS: 217. identity, 218. sequence, 219. software, 220. diverse, 221. biotechnology, 222. revolutionize, 223. consent, 224. journalist, 225. desert

226. have a ne_____ve effect *adj.* having the quality of something bad or harmful; expressing refusal
227. designed spe_____lly for men *adv.* only associated with or meant for one thing
228. they met acc_____lly *adv.* by chance or without planning
229. keen per_____on *n.* a belief, opinion, or image you have based on how you regard, understand, or interpret something; the ability to see, hear, or notice something through the senses
230. ha_____on activity *adj.* actively involved, practical; having hands involved in the doing or making of something
231. syn_____ze molecules *v.* to combine a substance to make a more complex product or compound
232. la_____g on a leaf *n.* a small, round, usually red or orange beetle with black spots, which feeds on aphids and other small insects
233. a private ind_____al *n.* a single person or thing, as distinct from a group
234. a ne_____ve number *adj.* having the quality of something bad or harmful; expressing refusal
235. shoulder et_____l responsibility *adj.* of or relating to principles about what is right and wrong, or the branch of knowledge dealing with these
236. po____r around in the garden *n.* a person who makes pottery, objects that are made of clay and then fired in a kiln to make them hard and durable; (verb, also putter) to occupy oneself in a leisurely or casual way, often with no particular goal or aim in mind

ANSWERS: 226. negative, 227. specifically, 228. accidentally, 229. perception, 230. hands-on, 231. synthesize, 232. ladybug, 233. individual, 234. negative, 235. ethical, 236. potter

237. fa_____ty design *n.* a building or place that provides a particular service or is used for a particular industry
238. fe_____le assumption *adj.* capable of being or likely to be made, done, or achieved
239. a no_____it organization *adj.* not established for commercial profit
240. the t_p of a paintbrush *n.* the top or extreme point of something slender or tapering, usually a mountain or hill; a piece of advice about something practical; a small amount of money given for services
241. a con_____nal style *adj.* based on or following traditional rules, standards, customs, etc.
242. way to mi_____ze conflict *v.* to make something, especially something bad, small or less serious
243. mo_____ar structure *adj.* of or relating to molecules (= a group of two or more atoms held together by attractive forces known as chemical bonds)
244. par_____te in the program *v.* to take part in something
245. do on a con_____nt basis *adj.* always behaving or happening in the same way, or having the same thoughts, standards, etc.
246. economically fe_____le *adj.* capable of being or likely to be made, done, or achieved
247. co____l a person to submission *v.* to force or require someone to do something; to exert a strong, irresistible force or pressure that makes someone act in a certain way

ANSWERS: 237. facility, 238. feasible, 239. nonprofit, 240. tip, 241. conventional, 242. minimize, 243. molecular, 244. participate, 245. consistent, 246. feasible, 247. compel

248. in_____nt risk *adj.* existing in something as a permanent, essential, or characteristic attribute
249. f__e police officer *adj.* not genuine; fraudulent or counterfeit
250. technological cap_____ty *n.* the ability, skill, or competence to do something; the potential or aptitude for a particular task or function
251. sop_____ted look *adj.* having a great deal of worldly experience and knowledge of people's behavior, culture, and fashion
252. a sop_____ted lifestyle *adj.* having a great deal of worldly experience and knowledge of people's behavior, culture, and fashion
253. product ba_____e *n.* a series of parallel lines of varying width and spacing printed on a product or package, which can be read by a barcode scanner to quickly and accurately identify the product and its price
254. artificial we_____e *n.* the human brain and neurological system, particularly in the context of artificial intelligence and computing
255. co_____nt a global warming *v.* to face, meet or deal with a problem or difficult situation or person
256. ex_____e the world *v.* to travel to or penetrate an area or a country to learn about it; to thoroughly examine a subject or a possibility to learn more about it
257. mi_____ze a loss *v.* to make something, especially something bad, small or less serious

ANSWERS: 248. inherent, 249. fake, 250. capability, 251. sophisticated, 252. sophisticated, 253. barcode, 254. wetware, 255. confront, 256. explore, 257. minimize

258. te_____sm against civilians *n.* the use of violence to attain political or religious goals or to compel a government to act
259. me_____al chemistry *adj.* of or relating to the treatment or cure of disease
260. a civil en_____er *n.* a person whose job is designing, building, or maintaining something such as machines, structures, or software
261. a fo____l leaf *n.* any preserved remains, impression, or trace of any once-living thing that has become hard and turned into rock
262. acc_____le to pity *adj.* capable of being reached, easily got, or seen
263. id_____fy handwriting *v.* to recognize someone or something and say or prove who or what they are
264. sp____n in spring *v.* to lay eggs or to produce offspring; to cause something to develop
265. history of hu_____nd *n.* the whole of the living human inhabitants of the earth
266. mo_____ar biology *adj.* of or relating to molecules (= a group of two or more atoms held together by attractive forces known as chemical bonds)
267. be____a sturgeon *n.* a type of whale found mainly in Arctic and sub-Arctic waters
268. re_____e a phone *v.* to take the place of something
269. the ha_____re department *n.* durable tools, machinery, and other equipment; the physical and electronic parts of a computer or other electronic systems

ANSWERS: 258. terrorism, 259. medicinal, 260. engineer, 261. fossil, 262. accessible, 263. identify, 264. spawn, 265. humankind, 266. molecular, 267. beluga, 268. replace, 269. hardware

270. prehuman an____ry *n.* the family or the ethnic descent that you come from
271. ic____g melting *n.* a large piece of ice floating in the sea, detached from a glacier
272. mai____am political beliefs *n.* the ideas, opinions, beliefs, etc., that are considered normal or accepted by most people
273. co____al combination of funds *adj.* belonging to or used by a group rather than individuals; for common use
274. a me____l opinion *adj.* relating to the treatment of illness or injuries; relating to the practice of medicine
275. 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
276. get con____nt results *adj.* always behaving or happening in the same way, or having the same thoughts, standards, etc.
277. the pa____en in the air *n.* a bacterium, virus, or other microorganism that causes disease
278. di____e battleships for a battle *v.* to put things or people in a particular manner or position; to incline someone towards a specific activity or mood; throw or cast away
279. ou____gh our wishes *v.* to be heavier, more significant, or more critical than something
280. a convivial atm____re *n.* the mass of air that surrounds the Earth; the pervading tone or mood of a place, situation, or creative work

ANSWERS: 270. ancestry, 271. iceberg, 272. mainstream, 273. communal, 274. medical, 275. discovery, 276. consistent, 277. pathogen, 278. dispose, 279. outweigh, 280. atmosphere

281. gen_____ly inherited traits *adv.* in a way that relates to or is produced by genes (= the units in the cells of a living thing received by an animal or plant from its parents) or heredity
282. canned t__a *n.* a large fish of the mackerel family, found in warm seas; commonly used for commercial and sport fishing and as a food source for humans and other animals
283. have sur_____gly little effect *adv.* in a way that causes amazement or wonder
284. a w__t of summons *n.* a written legal order or command
285. temporary me_____l treatment *adj.* relating to the treatment of illness or injuries; relating to the practice of medicine
286. 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

ANSWERS: 281. genetically, 282. tuna, 283. surprisingly, 284. writ, 285. medical, 286. equip

Session 3: Fill in the Blanks

1. The factory's use of chemicals has made it a significant _____ in the area.
n. a substance or agent that pollutes or contaminates the environment, typically through release into the air, water, or soil

2. The _____ will repair my telephone tomorrow morning.
n. a person whose job is designing, building, or maintaining something such as machines, structures, or software

3. Workers in the lab must wear protective clothing due to the _____ materials present.
n. a biological substance or infectious agent that poses a threat to human health or the environment, typically requiring special handling, containment, or disposal procedures to prevent the spread of disease or contamination

4. He was _____ killed by friendly fire.
adv. by chance or without planning

5. His father's death changed his whole _____ on life.
n. a confident attitude toward something; a particular style of thinking about something

6. That adventurer traveled in _____ of buried treasure.
n. a long or challenging search for something

7. New York is a city with a _____ ethnic population.
adj. including numerous categories of individuals or entities; various

ANSWERS: 1. pollutant, 2. engineer, 3. biohazard, 4. accidentally, 5. perspective, 6. quest, 7. diverse

8. Some species of _____ have a strong, unpleasant smell and are also called stink bugs.
- n.* a small, round, usually red or orange beetle with black spots, which feeds on aphids and other small insects
9. The prime minister was not well prepared for the debate and _____ it
- adj.* not genuine; fraudulent or counterfeit
10. On the geological time scale, _____ has existed for a brief moment.
- n.* the whole of the living human inhabitants of the earth
11. We have finally lost our last _____.
- n.* a piece of wood, metal, etc., placed beneath or against something to support it or keep it in position; a system, institution, or person that gives help or support to someone or something
12. I made a _____ sandwich for lunch today.
- n.* a large fish of the mackerel family, found in warm seas; commonly used for commercial and sport fishing and as a food source for humans and other animals
13. Eventually, the new design will _____ all older models.
- v.* to take the place of something
14. This scripture provides the code of _____ for the religion.
- n.* a branch of philosophy that considers what is morally right and wrong conduct; a set of beliefs about what is morally right and wrong
15. This blog offers a variety of tips for _____ everyday life.
- v.* to hit and cut somebody or something roughly and violently; to find a bug in a computer program and break into their systems or networks

ANSWERS: 8. ladybugs, 9. faked, 10. humankind, 11. prop, 12. tuna, 13. replace, 14. ethics, 15. hacking

16. The cashier scanned the _____ on the packaging to ring up the price.
- n.* a series of parallel lines of varying width and spacing printed on a product or package, which can be read by a barcode scanner to quickly and accurately identify the product and its price
17. Many companies are now enthusiastically embracing the knowledge of _____ for sustainable development.
- n.* the study of the relationships between living organisms, including humans, and their physical environment
18. Honesty is an _____ quality that everyone should strive to possess.
- adj.* existing in something as a permanent, essential, or characteristic attribute
19. I need to _____ the latest update for my computer's operating system.
- v.* to transfer data or files from the Internet or computer network to a user's computer or device; (noun) the process of transferring data or information from a remote or central computer to a local computer or device
20. I bought a gadget before my trip to help _____ stress during the flight.
- v.* to make something, especially something bad, small or less serious
21. The _____ disease can spread quickly and potentially cause a global pandemic.
- adj.* spreading very quickly, and often aggressively, and difficult to stop
22. The _____ of the coffee was rich and full-bodied.
- n.* the taste sensation produced by a substance in the mouth
23. Advancements in _____ have revolutionized medicine and agriculture.
- n.* the application of technological processes and methods to biological systems to develop new products or techniques, such as genetically modified organisms or biopharmaceuticals

ANSWERS: 16. barcode, 17. ecology, 18. inherent, 19. download, 20. minimize, 21. invasive, 22. flavor, 23. biotechnology

24. Our law firm also focuses on _____ activities.

adj. not established for commercial profit

25. The vegetarian burger was an _____ that quickly spread to the United Kingdom.

n. the creation of a new device or process resulting from study and experimentation

26. A _____ private sector is crucial for economic growth.

adj. full of energy, life, and enthusiasm

27. _____ prevalent in hospitals are often resistant to antibiotics.

n. single-celled or noncellular spherical or spiral or rod-shaped organisms that exist in large numbers in the air, water, and soil, and also in living and dead creatures and plants, and are often a cause of disease

28. The news warned of a potentially dangerous _____ expected to hit the area.

n. a storm with heavy snowfall, usually with a strong wind

29. The ancient Egyptians were skilled _____ and left behind many beautiful artifacts.

n. a person who makes pottery, objects that are made of clay and then fired in a kiln to make them hard and durable; (verb, also putter) to occupy oneself in a leisurely or casual way, often with no particular goal or aim in mind

30. _____ diamonds play an essential role as machine tool blades.

adj. made by combining chemical substances as opposed to being naturally occurring

ANSWERS: 24. nonprofit, 25. innovation, 26. vibrant, 27. Bacteria, 28. snowstorm, 29. potters, 30. Synthetic

31. He is an _____ and genial man.

adj. capable of being reached, easily got, or seen

32. The mouse and keyboard are essential _____ for operating a PC.

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

33. This book will be a practical _____ when coding.

n. a general rule or principle that provides guidance to appropriate behavior; a piece of advice or instructions that tell you how something should be done or what something should be

34. The terrorist's _____ remains unknown.

n. the fact of being who or what somebody or something is; the features, emotions, or ideas that distinguish persons from one another

35. Some countries may leave the _____.

n. the official currency of most European Union countries

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

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

37. Marketing strategies are growing more _____.

adj. having a great deal of worldly experience and knowledge of people's behavior, culture, and fashion

38. The _____ scarcity most severely impacted the manufacturing sector

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

ANSWERS: 31. accessible, 32. hardware, 33. guideline, 34. identity, 35. Euro, 36. biology, 37. sophisticated, 38. fuel

39. As an _____ he had the right to make his own decisions and live his life as he saw fit.
- n.* a single person or thing, as distinct from a group
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. He looked down on the royal _____ of the neighboring country.
- n.* the family or the ethnic descent that you come from
42. The lawyer tried to _____ his client's actions by presenting evidence of their difficult upbringing.
- v.* to provide a valid or reasonable explanation, reasoning, or evidence in support of a belief, action, or decision; to defend or vindicate something as right or valid
43. This region is predominantly _____.
- n.* arid land with little or no vegetation often covered with sand or rocks
44. A diversified plant species generally enhances beneficial _____ populations.
- n.* a tiny living thing
45. She gave her _____ to the company's proposal.
- n.* permission or agreement to do something, especially given by somebody in authority
46. The security camera has _____ four intruders.
- v.* to find or recognize something, especially something difficult to see, hear, etc.

ANSWERS: 39. individual, 40. discovery, 41. ancestry, 42. justify, 43. desert, 44. organism, 45. consent, 46. detected

47. _____ elections were held in several European countries.
adj. belonging to or used by a group rather than individuals; for common use
48. The human _____ contains approximately three billion chemical base pairs.
n. the complete set or sequence of genes of a human, animal, plant, or other living things
49. 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
50. The ship encountered a series of _____ and had to change its course.
n. a large piece of ice floating in the sea, detached from a glacier
51. _____ whales are known for their distinctive white color and vocalizations.
n. a type of whale found mainly in Arctic and sub-Arctic waters
52. Radiation often promotes genetic _____ in plants and animals.
n. the way in which genes of a person, plant, animal, or other organism change and produce permanent differences
53. The _____ properties of this herb have been known to help with various ailments.
adj. of or relating to the treatment or cure of disease
54. He has an _____ to become a doctor.
n. a strong desire to achieve something; the action or process of drawing breath

ANSWERS: 47. Communal, 48. genome, 49. involves, 50. icebergs, 51. Beluga, 52. mutations, 53. medicinal, 54. aspiration

55. They frequently _____ their abilities and felt inferior.
- v.* to think or suppose that a quantity, price, or size is smaller than it is
56. They awaited news of the _____ of the election.
- n.* the result or effect of an action, event, etc.
57. It was the _____ of a dinosaur tooth.
- n.* any preserved remains, impression, or trace of any once-living thing that has become hard and turned into rock
58. 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
59. Foreign TV crews and _____ can go as they please in various locations during the Olympics.
- n.* a person who collects and writes news stories or articles for newspapers, magazines, radio, television, or other online media
60. He grows vegetables in his _____.
- n.* a whole space behind and belonging to a house
61. The majority of consumers _____ this brand with quality.
- v.* to mentally connect someone or something with someone or something else
62. The company specializes in both hardware and _____.
- n.* a set of computer programs and associated documentation and data for doing particular computational jobs

ANSWERS: 55. underestimated, 56. outcome, 57. fossil, 58. equipped, 59. journalists, 60. backyard, 61. associate, 62. software

63. The researchers studied the function of the brain's _____ to learn more about how it processes information.
- n.* the human brain and neurological system, particularly in the context of artificial intelligence and computing
64. _____ of abolishing the death penalty often argue that the alternative heaviest sentence should be life in prison.
- n.* a person who supports or suggests an idea, development, or way of doing something
65. I will introduce some _____ on learning English in this class.
- n.* the top or extreme point of something slender or tapering, usually a mountain or hill; a piece of advice about something practical; a small amount of money given for services
66. I will introduce you to how to _____ the leading causes of the malfunction.
- v.* to recognize someone or something and say or prove who or what they are
67. The satellite _____ slowly ascended into the sky.
- n.* a small bag made of thin rubber or other light material that can be inflated with air or gas, used as a toy or as a decoration; (verb) to become inflated
68. The company's pricing strategy limits its _____ to compete with other businesses in the market.
- n.* the ability, skill, or competence to do something; the potential or aptitude for a particular task or function
69. The majority of students actively _____ in the college's intramural sports program.
- v.* to take part in something

ANSWERS: 63. wetware, 64. Advocates, 65. tips, 66. identify, 67. balloon, 68. capability, 69. participated

70. The _____ modified crops were resistant to pests and required less water.

adv. in a way that relates to or is produced by genes (= the units in the cells of a living thing received by an animal or plant from its parents) or heredity

71. Many charities focus on improving _____ rates in underprivileged communities.

n. the ability to read and write; the ability to use written language to communicate effectively

72. Aging societies tend to require huge costs for _____ maintenance.

n. the basic systems, services, or features that are necessary for an organization or country, such as transport and power supplies

73. _____ thrive on the surface of the human skin.

n. a tiny living thing that can only be seen with a microscope and that may cause disease

74. The sun was setting, and the sky _____ with beautiful colors.

v. to give out a steady, strong light

75. His thinking is _____ in the country's culture.

n. the ideas, opinions, beliefs, etc., that are considered normal or accepted by most people

76. 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

77. The president must have the highest _____ standards.

adj. of or relating to principles about what is right and wrong, or the branch of knowledge dealing with these

ANSWERS: 70. genetically, 71. literacy, 72. infrastructure, 73. Microbes, 74. glowed, 75. mainstream, 76. professional, 77. ethical

78. You are not _____ in your behavior.

adj. always behaving or happening in the same way, or having the same thoughts, standards, etc.

79. The organization assisted in the de-escalation of _____ violent situations.

adv. in a possible state or condition; possibly

80. He finally decided to _____ problems directly.

v. to face, meet or deal with a problem or difficult situation or person

81. The _____ workshop allowed attendees to work with tools and materials, developing their skills in a hands-on environment.

adj. actively involved, practical; having hands involved in the doing or making of something

82. mRNA vaccines are approved faster because they do not contain inactivated _____.

n. a bacterium, virus, or other microorganism that causes disease

83. He _____ jumped out of his chair when he heard the news.

adv. in the real or original meaning of a word or phrase; in a literal sense or way; not figuratively

84. The _____ fireworks display was the highlight of the festival.

adj. striking or impressive to look at or in performance or achievement

85. The _____ partially destroyed my vehicle.

n. an unfortunate event, especially one causing damage or injury

ANSWERS: 78. consistent, 79. potentially, 80. confront, 81. hands-on, 82. pathogens, 83. literally, 84. spectacular, 85. accident

86. I always start my morning with a bowl of _____.
- n.* a type of grain used for food, such as wheat, oats, or corn that is typically ground into flour, cooked into porridge, or used to make breakfast cereals
87. The hospital is battling a _____ that is resistant to antibiotics.
- n.* a strain of bacteria that is resistant to multiple types of antibiotics, making it difficult or impossible to treat with traditional medications
88. Despite their tragic loss, the family is showing great _____.
- n.* the part of a person which is the seat of their mind, feelings, and character rather than their physical body; the general atmosphere of a place or situation and the effect that it has on people
89. He tends to _____ his abilities.
- v.* to estimate something to be greater in amount or importance than it really is
90. This laptop has a _____ processor, making it fast and efficient.
- adj.* having two parts, aspects, or elements
91. The _____ team worked quickly to save the patient's life.
- adj.* relating to the treatment of illness or injuries; relating to the practice of medicine
92. The teacher attempted to _____ the root cause of our mistake.
- v.* to think about in-depth and evaluate to discover essential features or meaning
93. The technology _____ is constantly evolving and innovating.
- n.* a distinct part or division of something often used to refer to a segment of an economy or industry; an area or field of work or activity

ANSWERS: 86. cereal, 87. superbug, 88. spirit, 89. overestimate, 90. dual-core, 91. medical, 92. analyze, 93. sector

94. The airplane was powered by a _____ made from plant-based materials.
- n.* a fuel produced from organic matter, such as crops or waste material, that can be used to replace or supplement traditional fossil fuels
95. The newspaper editor decided to _____ the controversial headline to avoid backlash.
- n.* a person or institution responsible for examining books, movies, and other forms of media to determine if they are harmful or offensive and should be banned or altered; an official in charge of banning or suppressing information
96. The book _____ my imagination.
- v.* to encourage something to develop or become more active; to stir the feelings or emotions
97. This ad campaign is aimed _____ at young women.
- adv.* only associated with or meant for one thing
98. The dentist asked him to spit out the excess _____ into the sink.
- n.* the clear liquid that is secreted into the mouth by glands in the walls of the mouth and throat, helping to lubricate food during chewing and digestion
99. The exam was _____ tricky for everyone.
- adv.* in a way that causes amazement or wonder
100. The menu at the fancy restaurant featured a selection of _____ from around the world.
- n.* the eggs of sturgeon or other large fish considered a delicacy and used especially in appetizers
101. He was served with a _____ of eviction, giving him the notice to vacate the property.
- n.* a written legal order or command

ANSWERS: 94. biofuel, 95. censor, 96. stimulated, 97. specifically, 98. saliva, 99. surprisingly, 100. caviar, 101. writ

102. 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
103. The _____ photographer captured some stunning shots during the sunset.
adj. engaging in an activity or pursuing a particular interest without professional knowledge, training, or experience; non-professional
104. It seems _____ that he has forgotten our scheduled meeting.
adj. likely to happen or likely to be true
105. The child was sent home from school because of a lice infestation caused by one _____.
n. a small, wingless insect that lives on the bodies of mammals and birds, often considered a parasite; a contemptible or despicable person
106. His professional experience includes all _____ of media production.
n. one part or feature of a situation, problem, subject, etc.
107. The movie has received almost universally _____ criticism.
adj. having the quality of something bad or harmful; expressing refusal
108. The pilot and flight attendant ran through the check-out _____.
n. a way of doing something, especially the official or well-known way
109. 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

ANSWERS: 102. nation, 103. amateur, 104. probable, 105. louse, 106. aspects, 107. negative, 108. procedure, 109. facility,

110. The _____ approved by Congress was perfunctorily implemented.

- n.* an official rule made and maintained by a government or some other authority; the act of controlling or directing something according to a rule

111. This space is a private office _____ to the President

- adj.* connected with religion or religious purposes; worthy of respect or dedication because of a connection with a god

112. 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

113. The advantages would undoubtedly _____ the disadvantages.

- v.* to be heavier, more significant, or more critical than something

114. The federal _____ is planning to increase taxes for the next fiscal year.

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

115. The spider can _____ multiple different silk proteins.

- v.* to combine a substance to make a more complex product or compound

116. Ethics deals with _____ conduct.

- adj.* concerned with the principles of what is right and wrong, fairness, honesty, etc.

117. The invention of the smartphone _____ the way we communicate with each other.

- v.* to bring about a complete or radical change in something, often through the introduction of new methods or ideas

ANSWERS: 110. regulation, 111. sacred, 112. movement, 113. outweigh, 114. government, 115. synthesize, 116. moral, 117. revolutionized

118. Democracy is utterly opposed to any form of _____.
- n.* the use of violence to attain political or religious goals or to compel a government to act
119. The rocket's front _____ falls off.
- n.* one component of a larger entity
120. The ozone layer, which protects us from harmful UV radiation, is in the _____.
- n.* the second layer of the Earth's atmosphere, extending from about 7 to 50 kilometers above the Earth's surface, containing the ozone layer
121. There is a growing _____ among young people to prioritize experiences over material possessions.
- n.* an inclination or predisposition towards a particular behavior, attitude, or course of action; a natural or prevailing tendency or characteristic
122. The restaurant _____ a ban on smoking.
- v.* to change something's direction, order, position, decision, etc., to the opposite one; (adjective) directed or moving toward the rear
123. I tried to _____ the efficiency of the investment.
- v.* to make a mathematical calculation
124. The building's _____ system includes cameras, alarms, and security guards.
- n.* the state of being free from danger, risk, or harm; measures taken to protect against threats or attacks; a financial asset, such as a stock or bond that derives value exclusively from the ownership interest or claim to a particular underlying asset or obligation

ANSWERS: 118. terrorism, 119. portion, 120. stratosphere, 121. tendency, 122. reversed, 123. compute, 124. security

125. The Prime Minister will pay a courtesy visit to the Nobel laureate's ____.
- n.* a workplace for the conduct of scientific research; a laboratory
126. The salmon swims upstream to _____ in the place they were released.
- v.* to lay eggs or to produce offspring; to cause something to develop
127. The management must _____ strategies to increase office security.
- v.* to travel to or penetrate an area or a country to learn about it; to thoroughly examine a subject or a possibility to learn more about it
128. He is a man admired for the depth of his _____.
- n.* a belief, opinion, or image you have based on how you regard, understand, or interpret something; the ability to see, hear, or notice something through the senses
129. In ancient civilizations, the scarab _____ was worshiped as a sacred creature.
- n.* an insect having a hard shell-like back covering its wings
130. It is not _____ and inefficient to complete many tasks at once.
- adj.* capable of being or likely to be made, done, or achieved
131. I love going out for _____ with my friends on Friday nights.
- n.* a Japanese dish consisting of vinegared rice, often combined with fish or vegetables and sometimes wrapped in seaweed
132. _____ weight is the sum of all the atoms.
- adj.* of or relating to molecules (= a group of two or more atoms held together by attractive forces known as chemical bonds)

ANSWERS: 125. lab, 126. spawn, 127. explore, 128. perception, 129. beetle, 130. feasible, 131. sushi, 132. Molecular

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

adv. usually; under normal conditions

134. The economic recession _____ the housing market.

v. to make someone feel sad, low in spirits, or without hope; to make markets, businesses, etc., less active

135. The spaceship began to burn up as it approached the Earth's _____.

n. the mass of air that surrounds the Earth; the pervading tone or mood of a place, situation, or creative work

136. She is very _____ in her thoughts.

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

137. Generally speaking, the child is innately _____ to learn a language.

v. to put things or people in a particular manner or position; to incline someone towards a specific activity or mood; throw or cast away

138. We do move forward with those tasks in _____ next week.

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

139. We _____ a cease-fire.

v. to come to an end or close; to reach a judgment or opinion by reasoning

140. The evolution of processors has dramatically improved the performance of ____.

n. (abbreviation for artificial intelligence) the theory and development of computer systems capable of doing activities that would ordinarily need human intelligence, such as object recognition, speech recognition, decision-making, and language translation

ANSWERS: 133. normally, 134. depressed, 135. atmosphere, 136. conventional, 137. disposed, 138. sequence, 139. concluded, 140. AI

141. The strict deadlines will _____ the team to work efficiently.

- v.* to force or require someone to do something; to exert a strong, irresistible force or pressure that makes someone act in a certain way

142. They carefully nurture a _____ fungus used to produce sake.

- n.* a type of fungus that is used in making alcoholic drinks such as beer and wine or to make bread rise

143. Animal protection groups call for an end to animal testing in a _____.

- n.* a workplace for doing scientific research or teaching science; a lab

ANSWERS: 141. compel, 142. yeast, 143. laboratory