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Vocabulary Builder Reference from...

Jan Wurzbacher: *The massive machines cleaning Earth's atmosphere* | TED Talk

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

All Words

IMPORTANT

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Session 1: Word List

specimen

n. an individual example or sample of something, typically used to represent a larger group or category

synonym: example, sample, model

(1) **specimen** collection, (2) botanical **specimen**

The biology teacher showed the students a frog **specimen** so they could examine its anatomy.

industrious

adj. hardworking, diligent, and persistent in effort

synonym: diligent, hardworking, assiduous

(1) **industrious** worker, (2) **industrious** student

He was known to be very **industrious** and would often work late into the night.

planet

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

synonym: earth, world, globe

(1) **planet** like the Earth, (2) save the **planet**

Mercury is the closest **planet** to the sun.

smartphone

n. a mobile phone that functions as a computer and connects to the Internet

(1) **smartphone** app developer, (2) **smartphone** addict

Internet traffic volumes have increased significantly with the advent of **smartphones**.

clumsy

adj. lacking in grace or skill; awkward; cumbersome

synonym : awkward, ungainly, inept

(1) **clumsy** at sports, (2) **clumsy** attempt

The **clumsy** waiter accidentally spilled a tray of drinks on a customer.

transform

v. to change in outward structure or looks;

synonym : alter, convert, change

(1) **transform** an education system, (2) **transform** heat into power

My father's death **transformed** my life completely.

communicate

v. to share or exchange information with others by speaking, writing, moving your body, or using other signals

synonym : convey, share, transmit

(1) **communicate** his anxieties to the psychiatrist,

(2) **communicate** well with my advisor

Dolphins use sound to **communicate** with each other.

commerce

n. the activity of buying and selling things, especially on a large scale

synonym : trade, transaction, dealings

(1) interstate **commerce**, (2) the local chamber of **commerce**

This company has invested heavily in Internet **commerce**.

capture

v. to catch a person or an animal and confine them in an area which they cannot escape

synonym : catch, arrest, imprison

(1) **capture** a glimpse, (2) **capture** customers' hearts

I was able to **capture** the moment on film.

storage

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

synonym : storehouse, depository, warehousing

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

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

industrial

adj. of or relating to or resulting from industry

synonym : manufacturing, mechanical

(1) beginning of the **industrial** revolution, (2) **industrial** alcohol

Industrial design has become more focused on human nature aspect than ever before.

extract

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

synonym : excerpt, quote, distillation

(1) a brief **extract** from the book, (2) botanical **extract**

Anesthetize the gum before **extracting** the teeth.

ambient

adj. relating to the immediate surroundings of something; creating a particular atmosphere or mood, often through sound or lighting

synonym : atmospheric, surrounding, encompassing

(1) **ambient** temperature, (2) **ambient** air pollution

The **ambient** lighting in the restaurant created a cozy and romantic atmosphere.

operate

v. to work in a particular way; to supervise something

synonym : work, use, employ

(1) **operate** 24 hours a day, (2) manually **operate** a machine

This machine is too difficult to **operate** for me.

mod

n. a modification or alteration, typically one made to improve something or increase its functionality; a British teenager or young adult in the 1960s, noted for their clothes consciousness and opposition to the rockers

synonym: alteration, modification, tweak

(1) **mod** culture, (2) a house with **mod** cons

The **mod** for the video game added new features and improved gameplay.

carbon

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

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

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

oxide

n. a chemical compound that contains at least one oxygen atom and one other element

(1) silver **oxide**, (2) combined **oxide**

The blood's red coloring comes from iron **oxide**.

demonstrate

v. to display something or give an exhibition to an interested audience

synonym: show, illustrate, display

(1) **demonstrate** a difference, (2) **demonstrate** mastery

How can you **demonstrate** that the earth is a sphere?

improvisation

n. the act of making something up on the spot or creating or performing something without preparation

synonym: spontaneity, ad-lib, extemporization

(1) **improvisation** on stage, (2) jazz **improvisation**

He created a beautiful piece of music using only **improvisation**.

efficiency

n. the state or quality of doing something well with no waste of input such as time or money

synonym: effectiveness, efficacy, productivity

(1) better fuel **efficiency**, (2) an energy **efficiency**

Our company must continue to strive for greater **efficiency**.

fan *n.* a person who admires and supports a person, group, sport, sports team, etc.; a device for creating a current of air by the movement of a surface or surfaces
synonym : lover, devotee, blade
(1) a film **fan**, (2) engine cooling **fan**
I'm a big **fan** of French food.

mount *v.* to increase, go up, or advance gradually or continuously; to prepare and supply with the necessary equipment for execution or performance; to ride on something or someone
synonym : climb, increase, get on
(1) **mount** a hill, (2) **mount** a counterattack
They **mounted** pictures on the paper in preparation for the birthday card.

filter *n.* any of several types of equipment or systems used to separate particles from liquids or gases or to remove specific forms of light
synonym : strainer
(1) gas **filter**, (2) clogged **filter**
Ozone is a primary **filter** to protect Earth's surface from harmful UV rays.

sorbent *n.* a substance that absorbs other substances, often used in the treatment of liquids or gases
synonym : absorbent, adsorbent, sponge
(1) ion **sorbent**, (2) catalyst **sorbent**
The **sorbent** material in the oil spill cleanup kit absorbed the oil and helped to contain the damage.

porous *adj.* having many small holes and being able to absorb or pass through fluids
synonym : permeable, spongy, absorbent
(1) **porous** materials, (2) **porous** membrane

Our unfenced and largely unpoliced border inevitably has been very **porous** for insurgents.

bound

v. to move forward by leaps and bounds; to form the boundary of something

synonym: jump, bounce, leap

(1) **bounded** with delight, (2) **bound** up a staircase
Canada **bounds** on the United States.

sponge

n. a soft material with many microscopic pores that can absorb a large amount of liquid and is used for washing and cleaning

(1) sea **sponge**, (2) metallic **sponge**

The tiny marine **sponge** has existed for more than 500 million years.

pore

n. a tiny hole in the skin of people or other animals that sweat can pass through; (verb) to read carefully or study attentively

synonym: stoma, foramen

(1) woody **pore** fungi, (2) **pore** over reference books

I was sweating at every **pore**.

concentration

n. the ability to focus all your time and energy on one thing without thinking about anything else.

synonym: attention, engagement, assiduity

(1) **concentration** of armaments, (2) his research area of **concentration**

This exam requires excellent **concentration** to pass.

temperature

n. the degree of hotness or coldness of a thing or place

synonym: climate, warmth, degree

(1) extreme **temperatures**, (2) the atmospheric **temperature**

Cities around the world set records for highest **temperatures** this summer.

entirely

adv. completely

synonym: completely, fully, totally

(1) **entirely** satisfied with the meal, (2) he was **entirely** to blame

Later, his claim was found to be **entirely** false.

renewable

adj. capable of being renewed, extended, or replaced

synonym: sustainable, replaceable

(1) **renewable** energy, (2) **renewable** subscriptions

The production of **renewable** fuels requires massive volumes of fresh water.

glance

v. to give a quick or brief look; to hit something at an angle

synonym: glimpse, peek, flash

(1) **glance** around nervously, (2) **glance** at him miserably
I casually **glanced** into the small hut.

implement

v. to put a decision, plan, or system into effect

synonym: execute, enforce, put through

(1) **implement** a corporate strategy, (2) **implement** security measures

The government promised to **implement** a new system to control the financial crisis.

constantly

adv. all the time

synonym: continuously, always, frequently

(1) a **constantly** innovative enterprise, (2) a **constantly** varying mind

The mobile application industry is **constantly** changing.

reliable

adj. worthy of being relied on; trustworthy

synonym: dependable, trustworthy, dedicated

(1) **reliable** access, (2) guarantee **reliable** delivery

Trains are **reliable**, inexpensive, and ideal for long-distance travel.

ppm

n. an abbreviation for "parts per million," used to express the concentration of a substance in a solution or mixture

synonym : parts per million, concentration, proportion

(1) **ppm** volume fraction, (2) **ppm** level

According to the World Health Organization, the recommended safe lead level in drinking water is 15 **ppm**.

molecule

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

synonym : particle, element, atom

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

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

cubic

adj. having the shape of a cube or being of three dimensions; measured in units that are the third power of a linear unit

synonym : three-dimensional, boxlike, cubical

(1) **cubic** meter, (2) **cubic** structure

The package was a **cubic** shape, which made it easier to stack on the shelf.

puzzling

adj. confusing or difficult to understand; mysterious

synonym : baffling, confusing, enigmatic

(1) **puzzling** behavior, (2) **puzzling** questions

The detective found the clues **puzzling** and couldn't solve the case immediately.

inlet

n. a small arm of the sea, a lake, or a river, usually leading inland

synonym : cove, bayou, estuary

(1) **inlet** valve, (2) **inlet** temperature

The boat sailed through the narrow **inlet** and into the harbor.

prevail

v. to be common, widespread, or frequent; to be the strongest or most powerful

synonym : triumph, prevail over, be victorious

(1) good will **prevail**, (2) **prevail** in a suit

It is common for oppressive governments to **prevail** through violence, using military and police force to control their citizens and suppress dissent.

cofounder

n. one of several people who establishes an organization or starts a business

(1) **cofounder** of the university, (2) late **cofounder**

He is the **cofounder** and chairman of this tech company.

laundry

n. the act of washing clothes and linens; a room or area where clothes are washed and ironed

synonym : wash, clothes, linen

(1) send out the **laundry**, (2) **laundry** room

I need to do the **laundry** before I run out of clean clothes.

start-up

n. a newly established company or business

(1) **start-up** business, (2) early-stage **start-up**

Our company's services are targeted at **start-up** executives.

immense

adj. extremely large or great

synonym : enormous, giant, huge

(1) **immense** amount, (2) **immense** pressure

He left his wife an **immense** fortune.

climate

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

synonym : atmosphere, weather, environment

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

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

foremost

adj. most important, leading, or prominent

synonym : leading, primary, first

(1) **foremost** expert, (2) keep **foremost** in mind

The **foremost** priority is the safety of the passengers.

drastic

adj. radical and extreme; likely to have a significant or far-reaching impact

synonym: extreme, fierce, radical

(1) **drastic** measures, (2) make **drastic** revision

The global community is undergoing **drastic** changes at present.

reduction

n. a decrease in size, amount, or degree

synonym: diminution, decrease, cutback

(1) **reduction** strategy, (2) a gradual **reduction**

The **reduction** in carbon emissions has been significant since the implementation of the new policy.

emission

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

synonym: emanation, radiation, discharge

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

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

greenhouse

n. a building with walls and roof made chiefly of transparent material, such as glass, for growing plants in

synonym: conservatory

(1) exotic plants in a **greenhouse**, (2) emissions of **greenhouse** gases

The **greenhouse** effect is a phenomenon that happens naturally.

ramp

n. a sloping surface connecting two levels or inclines, typically used for the movement of people, vehicles, or goods

synonym: slope, incline, gradient

(1) the **ramp** of a chasm, (2) an exit **ramp**

The wheelchair user needed a **ramp** to access the building's entrance.

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**.

latter

adj. situated nearer to the end of something than the beginning; recent

synonym: following, recent, latest

(1) the **latter** part of the 20th century, (2) the **latter** half of life

We plan to schedule the feature update for the **latter** ten days of September.

enhance

v. to increase or improve the quality, amount, or strength of someone or something

synonym: improve, enrich, refine

(1) **enhance** value, (2) **enhance** the flavor of the vanilla

The new strategy will **enhance** the profitability of our company.

sufficient

adj. adequate; enough for a particular purpose or requirement

synonym: acceptable, ample, satisfactory

(1) **sufficient** time, (2) self- **sufficient** economy

That candidate does not have **sufficient** means to win an election with certainty.

rely

v. to require a specific thing or the assistance and support of someone or something to continue, run properly, or succeed.

synonym: depend, count, lean

(1) **rely** on convenience stores, (2) **rely** entirely on him

Babies heavily **rely** on others for food.

continent

n. one of the earth's large landmasses; (adjective) abstaining from your feelings, especially your desire to have sex

synonym: landmass, (adjective) chaste, (adjective) pure

(1) the inland of a **continent**, (2) **continent** urinary diversion
Flight across the **continent** was a daring adventure in its day.

preserve

v. to keep or maintain a particular quality, feature, etc., especially to prevent it from decaying, being damaged, or being destroyed

synonym: conserve, care for, maintain

(1) **preserve** my strength, (2) **preserve** a country's heritage
They worked hard to **preserve** the nature of their native lands.

large-scale

adj. involving many people or things and involving a lot of change or activity

synonym: big, massive, grand

(1) **large-scale** project, (2) **large-scale** agriculture
The company is planning to make a **large-scale** expansion of its factory.

removal

n. the act of taking something away or off from a particular place

synonym: extraction, elimination, eradication

(1) dental tartar **removal**, (2) **removal** truck

The **removal** of the statue caused much controversy in the community.

pollute

v. to make an area or substance, such as land, air, water, etc., dirty or harmful to living things by adding waste matter or harmful chemicals

synonym: contaminate, corrupt, degrade

(1) **pollute** the air, (2) **pollute** the thread

We should do our best not to **pollute** the environment.

bullet

n. a metal projectile that is shot from a gun

synonym : projectile, slug, shot

(1) **bullet** wound, (2) **bullet** train

The stray **bullet** went through the window and hit the wall.

emit

v. to give off or send out something such as light, heat, sound, gas, etc.

synonym : give off, radiate, expel

(1) **emit** a gamma ray, (2) **emit** air pollution

During the unloading, the container box **emits** a clicking sound.

substantially

adv. to a great extent or degree

synonym : considerably, essentially, largely

(1) the price went up **substantially**, (2) the house was **substantially** built

The proportion of female engineers has **substantially** increased.

emerging

adj. starting to exist, mature, or become well-known

synonym : arising, occurring, state-of-the-art

(1) **emerging** country, (2) **emerging** technologies

Emerging technologies have dramatically improved productivity in various industries.

indicate

v. to show, point out, or make known something, often through a sign or a symbol; to suggest or imply something without stating it directly

synonym : hint, suggest, show

(1) **indicate** a preference, (2) **indicate** an error

The data **indicates** that the company's profits have steadily increased over the past quarter.

necessity

n. the state or fact of being needed; anything indispensable

synonym : need, essentiality, prerequisite

(1) in great **necessity**, (2) the **necessity** of the concrete

measure

He emphasized the **necessity** of immediate action.

deploy

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

synonym: set up, expand, launch

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

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

adjust

v. to make a minor modification to something to make it more suited for a new set of conditions or to make it function better.

synonym: adapt, alter, acclimate

(1) **adjust** a schedule, (2) **adjust** the rearview mirror

You have to **adjust** your content to the age of the audience.

mechanism

n. a part of a machine, or a set of parts that performs a task; a natural or established process that occurs during a specific situation or reaction

synonym: means, method, system

(1) the **mechanism** for DNA replication, (2) defense

mechanism

He discovered unique **mechanisms** for photochemical reactions.

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.

permanent

adj. lasting for a long time without essential change

synonym: lasting, ceaseless, endless

(1) literature of **permanent** value, (2) **permanent** life

insurance

She is searching for a **permanent** residence.

concrete

adj. existing in a physical or material form rather than an abstract one; based on facts rather than ideas or guesses; made of or covered with cement

synonym: actual, factual, hardened

(1) a **concrete** noun, (2) **concrete** examples

The president asked for a more **concrete** plan.

miner

n. a person who works in a mine (= excavation in the Earth from which ores and minerals are extracted), especially one who extracts coal, minerals, or precious metals from the Earth

synonym: digger, excavator, miner

(1) **miner** strike, (2) **miner** industry

The coal **miner** worked tirelessly to extract valuable minerals from deep underground.

inject

v. to put a liquid such as a drug or other substance into a person's or an animal's body using a needle and syringe (= small tube)

synonym: shoot, infiltrate, insinuate

(1) **inject** under the skin, (2) **inject** a personal opinion into a debate

Let's try to **inject** a bit of enthusiasm into your performance.

underground

adj. under the surface of the ground; a secret group organized to achieve a specific purpose, such as overthrowing the government or occupying a force

synonym: subterranean, subsurface, confidential

(1) water flowing **underground**, (2) **underground** activist

Having **underground** parking has been very beneficial throughout the winter.

volcanic

adj. relating to or produced by or consisting of volcano

(1) effects of **volcanic** eruptions, (2) increase in **volcanic**

activity

This study indicates **volcanic** activity affects global warming.

basalt

n. a dark, fine-grained volcanic rock that forms from the solidification of lava

synonym : volcanic rock, lava, igneous rock

(1) **basalt** rock, (2) **basalt** glass

The hiking trail was lined with towering **basalt** columns.

abundant

adj. present in great quantity

synonym : ample, plentiful, generative

(1) live an **abundant** life, (2) an **abundant** supply of water

The country has **abundant** oil and natural gas resources.

bind

v. to tie or fasten someone or something tightly with rope, string, etc. so that they cannot move or are held together strongly

synonym : tie, stick to, adhere

(1) **bind** the man's hands, (2) **bind** old letters into a bundle

The company's rules **bind** the employee's working hours.

tangible

adj. real and concrete; able to be perceived, especially able to be touched; (of business assets) having physical substance and intrinsic monetary value

synonym : palpable, real, actual

(1) **tangible** assets, (2) produce **tangible** results

A problem that has been pointed out for years finally becomes **tangible**.

drill

n. a tool or machine used for making round holes or driving fasteners; a training or practice

synonym : exercise, routine, training

(1) the **drill** hit the well, (2) fire **drill**

Several military **drill** programs have become popular methods of exercise.

core

n. the most essential or fundamental part of something
synonym : center, basis, heart

(1) the **core** of an apple, (2) **core** business activity

These gas nebulas are merely newborn galactic **cores**.

crystal

n. a solid material with many even sides that is formed naturally when the substance becomes solid and has a highly regular atomic structure; clear and colorless glass made of almost pure silica

synonym : quartz

(1) liquid **crystal**, (2) **crystal** analyses

A vast **crystal** chandelier glittered brightly above us.

technique

n. a particular way or art of doing something that needs skill

synonym : approach, procedure, strategy

(1) a **technique** in martial arts, (2) the **technique** applied to construction

Jockey's superior **technique** brought him victory.

essential

adj. indispensable; fundamental

synonym : critical, crucial, basic

(1) **essential** amino acid, (2) **essential** commodities of life

Trial and error is an **essential** part of education.

norm

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

synonym : criterion, mean, standard

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

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

immediately

adv. now or without delay

synonym : directly, instantly, promptly

(1) **immediately** recall a product, (2) write him an answer **immediately**

A suspension order from the court is effective **immediately**.

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.

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**.

announce

v. to make something known or officially inform people about something

synonym: disclose, declare, broadcast

(1) **announce** candidacy, (2) **announce** the award winners

The third season of the anime show has been **announced**.

mammoth

adj. exceedingly large or extensive; (noun) any of numerous extinct elephants widely distributed in the Pleistocene

synonym: huge, large

(1) woolly **mammoth**, (2) a **mammoth** ship

The minister decided to review its **mammoth** public works projects.

quantity

n. the amount or number of something; magnitude

synonym: abundance, portion, amount

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

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

Session 2: Spelling

1. combined ox__e *n.* a chemical compound that contains at least one oxygen atom and one other element
2. make dr____c revision *adj.* radical and extreme; likely to have a significant or far-reaching impact
3. e__t air pollution *v.* to give off or send out something such as light, heat, sound, gas, etc.
4. cu__c meter *adj.* having the shape of a cube or being of three dimensions; measured in units that are the third power of a linear unit
5. engine cooling f_n *n.* a person who admires and supports a person, group, sport, sports team, etc.; a device for creating a current of air by the movement of a surface or surfaces
6. metallic sp___e *n.* a soft material with many microscopic pores that can absorb a large amount of liquid and is used for washing and cleaning
7. a gradual re____on *n.* a decrease in size, amount, or degree
8. sma____ne app developer *n.* a mobile phone that functions as a computer and connects to the Internet
9. guarantee re____le delivery *adj.* worthy of being relied on; trustworthy
10. in___t under the skin *v.* to put a liquid such as a drug or other substance into a person's or an animal's body using a needle and syringe (= small tube)

ANSWERS: 1. oxide, 2. drastic, 3. emit, 4. cubic, 5. fan, 6. sponge, 7. reduction, 8. smartphone, 9. reliable, 10. inject

- | | | |
|-------------------------------------|------|--|
| 11. dem_____te mastery | v. | to display something or give an exhibition to an interested audience |
| 12. catalyst so_____t | n. | a substance that absorbs other substances, often used in the treatment of liquids or gases |
| 13. im_____nt security measures | v. | to put a decision, plan, or system into effect |
| 14. am_____t air pollution | adj. | relating to the immediate surroundings of something; creating a particular atmosphere or mood, often through sound or lighting |
| 15. the house was sub_____lly built | adv. | to a great extent or degree |
| 16. suf_____nt time | adj. | adequate; enough for a particular purpose or requirement |
| 17. em_____ng country | adj. | starting to exist, mature, or become well-known |
| 18. increase in vo_____ic activity | adj. | relating to or produced by or consisting of volcano |
| 19. late co_____er | n. | one of several people who establishes an organization or starts a business |
| 20. re_____on strategy | n. | a decrease in size, amount, or degree |
| 21. fire dr__l | n. | a tool or machine used for making round holes or driving fasteners; a training or practice |
| 22. tr_____rm an education system | v. | to change in outward structure or looks; |
| 23. residual qu_____ty | n. | the amount or number of something; magnitude |

ANSWERS: 11. demonstrate, 12. sorbent, 13. implement, 14. ambient, 15. substantially, 16. sufficient, 17. emerging, 18. volcanic, 19. cofounder, 20. reduction, 21. drill, 22. transform, 23. quantity

24. save the pl___t *n.* any of the nine large celestial bodies that circle in the solar system; any celestial body that revolves around a star
25. r___y entirely on him *v.* to require a specific thing or the assistance and support of someone or something to continue, run properly, or succeed.
26. write him an answer imm_____ly *adv.* now or without delay
27. emissions of gre_____se gases *n.* a building with walls and roof made chiefly of transparent material, such as glass, for growing plants in
28. cr_____l analyses *n.* a solid material with many even sides that is formed naturally when the substance becomes solid and has a highly regular atomic structure; clear and colorless glass made of almost pure silica
29. re_____l truck *n.* the act of taking something away or off from a particular place
30. 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
31. pl___t like the Earth *n.* any of the nine large celestial bodies that circle in the solar system; any celestial body that revolves around a star
32. p_m volume fraction *n.* an abbreviation for "parts per million," used to express the concentration of a substance in a solution or mixture

ANSWERS: 24. planet, 25. rely, 26. immediately, 27. greenhouse, 28. crystal, 29. removal, 30. atmosphere, 31. planet, 32. ppm

33. ca_____e a glimpse *v.* to catch a person or an animal and confine them in an area which they cannot escape
34. im_____nt a corporate strategy *v.* to put a decision, plan, or system into effect
35. com_____te well with my advisor *v.* to share or exchange information with others by speaking, writing, moving your body, or using other signals
36. jazz imp_____ion *n.* the act of making something up on the spot or creating or performing something without preparation
37. keep fo_____st in mind *adj.* most important, leading, or prominent
38. in_____te an error *v.* to show, point out, or make known something, often through a sign or a symbol; to suggest or imply something without stating it directly
39. r__y on convenience stores *v.* to require a specific thing or the assistance and support of someone or something to continue, run properly, or succeed.
40. the me_____sm for DNA replication *n.* a part of a machine, or a set of parts that performs a task; a natural or established process that occurs during a specific situation or reaction
41. an ab_____nt supply of water *adj.* present in great quantity
42. small mo_____les *n.* a group of two or more atoms held together by attractive forces known as chemical bonds

ANSWERS: 33. capture, 34. implement, 35. communicate, 36. improvisation, 37. foremost, 38. indicate, 39. rely, 40. mechanism, 41. abundant, 42. molecule

43. in great ne_____ty *n.* the state or fact of being needed; anything indispensable
44. sma_____ne addict *n.* a mobile phone that functions as a computer and connects to the Internet
45. 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
46. st_____up business *n.* a newly established company or business
47. ind_____al alcohol *adj.* of or relating to or resulting from industry
48. en_____e value *v.* to increase or improve the quality, amount, or strength of someone or something
49. the dr__l hit the well *n.* a tool or machine used for making round holes or driving fasteners; a training or practice
50. re_____le subscriptions *adj.* capable of being renewed, extended, or replaced
51. his research area of
con_____ion *n.* the ability to focus all your time and energy on one thing without thinking about anything else.
52. po_____e the thread *v.* to make an area or substance, such as land, air, water, etc., dirty or harmful to living things by adding waste matter or harmful chemicals

ANSWERS: 43. necessity, 44. smartphone, 45. spirit, 46. start-up, 47. industrial, 48. enhance, 49. drill, 50. renewable, 51. concentration, 52. pollute

53. im____e amount *adj.* extremely large or great
54. co____te examples *adj.* existing in a physical or material form rather than an abstract one; based on facts rather than ideas or guesses; made of or covered with cement
55. a st____e battery *n.* the act or process of putting in and keeping something in a particular place for use in the future; an electronic memory device that can store information
56. re____le energy *adj.* capable of being renewed, extended, or replaced
57. a con____ly innovative enterprise *adv.* all the time
58. po____s membrane *adj.* having many small holes and being able to absorb or pass through fluids
59. po____e the air *v.* to make an area or substance, such as land, air, water, etc., dirty or harmful to living things by adding waste matter or harmful chemicals
60. mo__t a hill *v.* to increase, go up, or advance gradually or continuously; to prepare and supply with the necessary equipment for execution or performance; to ride on something or someone
61. e__t a gamma ray *v.* to give off or send out something such as light, heat, sound, gas, etc.
62. botanical sp____en *n.* an individual example or sample of something, typically used to represent a larger group or category

ANSWERS: 53. immense, 54. concrete, 55. storage, 56. renewable, 57. constantly, 58. porous, 59. pollute, 60. mount, 61. emit, 62. specimen

63. cl___y attempt *adj.* lacking in grace or skill; awkward; cumbersome
64. clogged fi___r *n.* any of several types of equipment or systems used to separate particles from liquids or gases or to remove specific forms of light
65. the la___r part of the 20th century *adj.* situated nearer to the end of something than the beginning; recent
66. a ma_____h ship *adj.* exceedingly large or extensive; (noun) any of numerous extinct elephants widely distributed in the Pleistocene
67. bu___t train *n.* a metal projectile that is shot from a gun
68. woolly ma_____h *adj.* exceedingly large or extensive; (noun) any of numerous extinct elephants widely distributed in the Pleistocene
69. ad___t the rearview mirror *v.* to make a minor modification to something to make it more suited for a new set of conditions or to make it function better.
70. the local chamber of co_____ce *n.* the activity of buying and selling things, especially on a large scale
71. the price went up sub_____lly *adv.* to a great extent or degree
72. con_____ion of armaments *n.* the ability to focus all your time and energy on one thing without thinking about anything else.
73. pr_____l in a suit *v.* to be common, widespread, or frequent; to be the strongest or most powerful
74. the te_____ue applied to construction *n.* a particular way or art of doing something that needs skill

ANSWERS: 63. clumsy, 64. filter, 65. latter, 66. mammoth, 67. bullet, 68. mammoth, 69. adjust, 70. commerce, 71. substantially, 72. concentration, 73. prevail, 74. technique

75. fo____st expert *adj.* most important, leading, or prominent
76. in__t temperature *n.* a small arm of the sea, a lake, or a river, usually leading inland
77. ba____t rock *n.* a dark, fine-grained volcanic rock that forms from the solidification of lava
78. early-stage st____up *n.* a newly established company or business
79. bu____t wound *n.* a metal projectile that is shot from a gun
80. better fuel eff____cy *n.* the state or quality of doing something well with no waste of input such as time or money
81. sea sp____e *n.* a soft material with many microscopic pores that can absorb a large amount of liquid and is used for washing and cleaning
82. ion so____t *n.* a substance that absorbs other substances, often used in the treatment of liquids or gases
83. mo____le behavior *n.* a group of two or more atoms held together by attractive forces known as chemical bonds
84. cu__c structure *adj.* having the shape of a cube or being of three dimensions; measured in units that are the third power of a linear unit
85. a northern sn____rm *n.* a storm with heavy snowfall, usually with a strong wind
86. global em____ons of greenhouse gases *n.* the act of production or sending out gas, heat, light, etc.

ANSWERS: 75. foremost, 76. inlet, 77. basalt, 78. start-up, 79. bullet, 80. efficiency, 81. sponge, 82. sorbent, 83. molecule, 84. cubic, 85. snowstorm, 86. emission

87. beginning of the ind_____al
revolution *adj.* of or relating to or resulting from
industry
88. pu_____ng behavior *adj.* confusing or difficult to understand;
mysterious
89. cultural n____m *n.* something that is regarded as usual,
typical, or standard
90. effects of vo_____ic eruptions *adj.* relating to or produced by or consisting
of volcano
91. 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
92. a con_____ly varying mind *adv.* all the time
93. po____s materials *adj.* having many small holes and being able
to absorb or pass through fluids
94. self-suf_____nt economy *adj.* adequate; enough for a particular
purpose or requirement
95. the la____r half of life *adj.* situated nearer to the end of something
than the beginning; recent
96. a brief ex_____t from the book *n.* a short passage taken from a book,
piece of music, etc.; a substance
obtained from something through a
specific process; (verb) to obtain from
something or to remove something by
effort or force
97. gl____e around nervously *v.* to give a quick or brief look; to hit
something at an angle

ANSWERS: 87. industrial, 88. puzzling, 89. norm, 90. volcanic, 91. spirit, 92.
constantly, 93. porous, 94. sufficient, 95. latter, 96. extract, 97. glance

98. de___y troops for battle *v.* to move troops or weapons into a position or military action; to bring into something in an effective way
99. p___e over reference books *n.* a tiny hole in the skin of people or other animals that sweat can pass through; (verb) to read carefully or study attentively
100. he was en_____ly to blame *adv.* completely
101. dr_____c measures *adj.* radical and extreme; likely to have a significant or far-reaching impact
102. ca___n dioxide *n.* a chemical element that can be found in pure form as diamond or graphite, and it is also an essential part of coal and oil and is found in all plants and animals
103. co_____nt urinary diversion *n.* one of the earth's large landmasses; (adjective) abstaining from your feelings, especially your desire to have sex
104. ad___t a schedule *v.* to make a minor modification to something to make it more suited for a new set of conditions or to make it function better.
105. in__t valve *n.* a small arm of the sea, a lake, or a river, usually leading inland
106. es_____al amino acid *adj.* indispensable; fundamental
107. half qu_____ty *n.* the amount or number of something; magnitude
108. the em_____on of light *n.* the act of production or sending out gas, heat, light, etc.

ANSWERS: 98. deploy, 99. pore, 100. entirely, 101. drastic, 102. carbon, 103. continent, 104. adjust, 105. inlet, 106. essential, 107. quantity, 108. emission

109. n__m of action *n.* something that is regarded as usual, typical, or standard
110. imm_____ly recall a product *adv.* now or without delay
111. in___t a personal opinion into a debate *v.* to put a liquid such as a drug or other substance into a person's or an animal's body using a needle and syringe (= small tube)
112. liquid cr_____l *n.* a solid material with many even sides that is formed naturally when the substance becomes solid and has a highly regular atomic structure; clear and colorless glass made of almost pure silica
113. the r__p of a chasm *n.* a sloping surface connecting two levels or inclines, typically used for the movement of people, vehicles, or goods
114. a house with m_d cons *n.* a modification or alteration, typically one made to improve something or increase its functionality; a British teenager or young adult in the 1960s, noted for their clothes consciousness and opposition to the rockers
115. es_____al commodities of life *adj.* indispensable; fundamental
116. em_____ng technologies *adj.* starting to exist, mature, or become well-known
117. lar_____le agriculture *adj.* involving many people or things and involving a lot of change or activity
118. a film f_n *n.* a person who admires and supports a person, group, sport, sports team, etc.; a device for creating a current of air by the movement of a surface or surfaces

ANSWERS: 109. norm, 110. immediately, 111. inject, 112. crystal, 113. ramp, 114. mod, 115. essential, 116. emerging, 117. large-scale, 118. fan

119. 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
120. mi__r strike *n.* a person who works in a mine (= excavation in the Earth from which ores and minerals are extracted), especially one who extracts coal, minerals, or precious metals from the Earth
121. exotic plants in a gre_____se *n.* a building with walls and roof made chiefly of transparent material, such as glass, for growing plants in
122. im_____e pressure *adj.* extremely large or great
123. bo__ded with delight *v.* to move forward by leaps and bounds; to form the boundary of something
124. en_____ly satisfied with the meal *adv.* completely
125. mo__t a counterattack *v.* to increase, go up, or advance gradually or continuously; to prepare and supply with the necessary equipment for execution or performance; to ride on something or someone
126. woody p__e fungi *n.* a tiny hole in the skin of people or other animals that sweat can pass through; (verb) to read carefully or study attentively
127. la_____y room *n.* the act of washing clothes and linens; a room or area where clothes are washed and ironed
128. sp_____en collection *n.* an individual example or sample of something, typically used to represent a larger group or category

ANSWERS: 119. atmosphere, 120. miner, 121. greenhouse, 122. immense, 123. bound, 124. entirely, 125. mount, 126. pore, 127. laundry, 128. specimen

129. cl___y at sports *adj.* lacking in grace or skill; awkward; cumbersome
130. the atmospheric tem_____re *n.* the degree of hotness or coldness of a thing or place
131. dental tartar re_____l *n.* the act of taking something away or off from a particular place
132. lar_____le project *adj.* involving many people or things and involving a lot of change or activity
133. imp_____ion on stage *n.* the act of making something up on the spot or creating or performing something without preparation
134. bo__d up a staircase *v.* to move forward by leaps and bounds; to form the boundary of something
135. interstate co_____ce *n.* the activity of buying and selling things, especially on a large scale
136. co_____er of the university *n.* one of several people who establishes an organization or starts a business
137. botanical ex_____t *n.* a short passage taken from a book, piece of music, etc.; a substance obtained from something through a specific process; (verb) to obtain from something or to remove something by effort or force
138. ca___n emission *n.* a chemical element that can be found in pure form as diamond or graphite, and it is also an essential part of coal and oil and is found in all plants and animals
139. ind_____us student *adj.* hardworking, diligent, and persistent in effort

ANSWERS: 129. clumsy, 130. temperature, 131. removal, 132. large-scale, 133. improvisation, 134. bound, 135. commerce, 136. cofounder, 137. extract, 138. carbon, 139. industrious

140. the inland of a co_____nt *n.* one of the earth's large landmasses; (adjective) abstaining from your feelings, especially your desire to have sex
141. good will pr_____l *v.* to be common, widespread, or frequent; to be the strongest or most powerful
142. defense me_____sm *n.* a part of a machine, or a set of parts that performs a task; a natural or established process that occurs during a specific situation or reaction
143. an energy eff_____cy *n.* the state or quality of doing something well with no waste of input such as time or money
144. an exit r__p *n.* a sloping surface connecting two levels or inclines, typically used for the movement of people, vehicles, or goods
145. a cold cl_____e *n.* the weather in a particular location averaged over some long period
146. water flowing und_____nd *adj.* under the surface of the ground; a secret group organized to achieve a specific purpose, such as overthrowing the government or occupying a force
147. gas fi___r *n.* any of several types of equipment or systems used to separate particles from liquids or gases or to remove specific forms of light
148. ind_____us worker *adj.* hardworking, diligent, and persistent in effort
149. produce ta_____le results *adj.* real and concrete; able to be perceived, especially able to be touched; (of business assets) having physical substance and intrinsic monetary value

ANSWERS: 140. continent, 141. prevail, 142. mechanism, 143. efficiency, 144. ramp, 145. climate, 146. underground, 147. filter, 148. industrious, 149. tangible

150. an_____ce candidacy *v.* to make something known or officially inform people about something
151. a co_____te noun *adj.* existing in a physical or material form rather than an abstract one; based on facts rather than ideas or guesses; made of or covered with cement
152. send out the la_____y *n.* the act of washing clothes and linens; a room or area where clothes are washed and ironed
153. de_____y safety measures *v.* to move troops or weapons into a position or military action; to bring into something in an effective way
154. the c___e of an apple *n.* the most essential or fundamental part of something
155. com_____te his anxieties to the psychiatrist *v.* to share or exchange information with others by speaking, writing, moving your body, or using other signals
156. en_____e the flavor of the vanilla *v.* to increase or improve the quality, amount, or strength of someone or something
157. op_____e 24 hours a day *v.* to work in a particular way; to supervise something
158. pr_____ve my strength *v.* to keep or maintain a particular quality, feature, etc., especially to prevent it from decaying, being damaged, or being destroyed
159. st_____e at low temperature *n.* the act or process of putting in and keeping something in a particular place for use in the future; an electronic memory device that can store information

ANSWERS: 150. announce, 151. concrete, 152. laundry, 153. deploy, 154. core, 155. communicate, 156. enhance, 157. operate, 158. preserve, 159. storage

160. ba___t glass *n.* a dark, fine-grained volcanic rock that forms from the solidification of lava
161. m_d culture *n.* a modification or alteration, typically one made to improve something or increase its functionality; a British teenager or young adult in the 1960s, noted for their clothes consciousness and opposition to the rockers
162. a te_____ue in martial arts *n.* a particular way or art of doing something that needs skill
163. und_____nd activist *adj.* under the surface of the ground; a secret group organized to achieve a specific purpose, such as overthrowing the government or occupying a force
164. c__e business activity *n.* the most essential or fundamental part of something
165. dem_____te a difference *v.* to display something or give an exhibition to an interested audience
166. b__d the man's hands *v.* to tie or fasten someone or something tightly with rope, string, etc. so that they cannot move or are held together strongly
167. pe_____nt life insurance *adj.* lasting for a long time without essential change
168. in_____te a preference *v.* to show, point out, or make known something, often through a sign or a symbol; to suggest or imply something without stating it directly
169. an_____ce the award winners *v.* to make something known or officially inform people about something

ANSWERS: 160. basalt, 161. mod, 162. technique, 163. underground, 164. core, 165. demonstrate, 166. bind, 167. permanent, 168. indicate, 169. announce

170. am_____t temperature *adj.* relating to the immediate surroundings of something; creating a particular atmosphere or mood, often through sound or lighting
171. re_____le access *adj.* worthy of being relied on; trustworthy
172. literature of pe_____nt value *adj.* lasting for a long time without essential change
173. silver ox___e *n.* a chemical compound that contains at least one oxygen atom and one other element
174. pr_____ve a country's heritage *v.* to keep or maintain a particular quality, feature, etc., especially to prevent it from decaying, being damaged, or being destroyed
175. b__d old letters into a bundle *v.* to tie or fasten someone or something tightly with rope, string, etc. so that they cannot move or are held together strongly
176. extreme tem_____res *n.* the degree of hotness or coldness of a thing or place
177. mi__r industry *n.* a person who works in a mine (= excavation in the Earth from which ores and minerals are extracted), especially one who extracts coal, minerals, or precious metals from the Earth
178. gl___e at him miserably *v.* to give a quick or brief look; to hit something at an angle
179. effects of cl_____e change *n.* the weather in a particular location averaged over some long period

ANSWERS: 170. ambient, 171. reliable, 172. permanent, 173. oxide, 174. preserve, 175. bind, 176. temperature, 177. miner, 178. glance, 179. climate

180. sn_____rm warning *n.* a storm with heavy snowfall, usually with a strong wind
181. an_____e a chemical compound *v.* to think about in-depth and evaluate to discover essential features or meaning
182. ca_____e customers' hearts *v.* to catch a person or an animal and confine them in an area which they cannot escape
183. ta_____le assets *adj.* real and concrete; able to be perceived, especially able to be touched; (of business assets) having physical substance and intrinsic monetary value
184. live an ab_____nt life *adj.* present in great quantity
185. tr_____rm heat into power *v.* to change in outward structure or looks;
186. manually op_____e a machine *v.* to work in a particular way; to supervise something
187. an_____e your real motives *v.* to think about in-depth and evaluate to discover essential features or meaning
188. p_m level *n.* an abbreviation for "parts per million," used to express the concentration of a substance in a solution or mixture
189. the ne_____ty of the concrete measure *n.* the state or fact of being needed; anything indispensable
190. pu_____ng questions *adj.* confusing or difficult to understand; mysterious

ANSWERS: 180. snowstorm, 181. analyze, 182. capture, 183. tangible, 184. abundant, 185. transform, 186. operate, 187. analyze, 188. ppm, 189. necessity, 190. puzzling

Session 3: Fill in the Blanks

1. The coal _____ worked tirelessly to extract valuable minerals from deep underground.
n. a person who works in a mine (= excavation in the Earth from which ores and minerals are extracted), especially one who extracts coal, minerals, or precious metals from the Earth

2. The production of _____ fuels requires massive volumes of fresh water.
adj. capable of being renewed, extended, or replaced

3. The stray _____ went through the window and hit the wall.
n. a metal projectile that is shot from a gun

4. My father's death _____ my life completely.
v. to change in outward structure or looks;

5. Jockey's superior _____ brought him victory.
n. a particular way or art of doing something that needs skill

6. This exam requires excellent _____ to pass.
n. the ability to focus all your time and energy on one thing without thinking about anything else.

7. The tiny marine _____ has existed for more than 500 million years.
n. a soft material with many microscopic pores that can absorb a large amount of liquid and is used for washing and cleaning

8. Mercury is the closest _____ to the sun.
n. any of the nine large celestial bodies that circle in the solar system; any celestial body that revolves around a star

ANSWERS: 1. miner, 2. renewable, 3. bullet, 4. transformed, 5. technique, 6. concentration, 7. sponge, 8. planet

9. The package was a _____ shape, which made it easier to stack on the shelf.
adj. having the shape of a cube or being of three dimensions; measured in units that are the third power of a linear unit
10. We store customer data in cloud _____.
n. the act or process of putting in and keeping something in a particular place for use in the future; an electronic memory device that can store information
11. A suspension order from the court is effective _____.
adv. now or without delay
12. A problem that has been pointed out for years finally becomes _____.
adj. real and concrete; able to be perceived, especially able to be touched; (of business assets) having physical substance and intrinsic monetary value
13. Flight across the _____ was a daring adventure in its day.
n. one of the earth's large landmasses; (adjective) abstaining from your feelings, especially your desire to have sex
14. Cities around the world set records for highest _____ this summer.
n. the degree of hotness or coldness of a thing or place
15. The systems we have developed has accepted as industry _____.
n. something that is regarded as usual, typical, or standard
16. The teacher attempted to _____ the root cause of our mistake.
v. to think about in-depth and evaluate to discover essential features or meaning
17. _____ technologies have dramatically improved productivity in various industries.
adj. starting to exist, mature, or become well-known

ANSWERS: 9. cubic, 10. storage, 11. immediately, 12. tangible, 13. continent, 14. temperatures, 15. norms, 16. analyze, 17. Emerging

18. Our unfenced and largely unpoliced border inevitably has been very _____ for insurgents.

adj. having many small holes and being able to absorb or pass through fluids

19. Our company's services are targeted at _____ executives.

n. a newly established company or business

20. Anesthetize the gum before _____ the teeth.

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

21. The _____ in carbon emissions has been significant since the implementation of the new policy.

n. a decrease in size, amount, or degree

22. They _____ pictures on the paper in preparation for the birthday card.

v. to increase, go up, or advance gradually or continuously; to prepare and supply with the necessary equipment for execution or performance; to ride on something or someone

23. Ozone is a primary _____ to protect Earth's surface from harmful UV rays.

n. any of several types of equipment or systems used to separate particles from liquids or gases or to remove specific forms of light

24. The new strategy will _____ the profitability of our company.

v. to increase or improve the quality, amount, or strength of someone or something

25. The _____ effect is a phenomenon that happens naturally.

n. a building with walls and roof made chiefly of transparent material, such as glass, for growing plants in

ANSWERS: 18. porous, 19. start-up, 20. extracting, 21. reduction, 22. mounted, 23. filter, 24. enhance, 25. greenhouse

26. The proportion of female engineers has _____ increased.
adv. to a great extent or degree
27. Trial and error is an _____ part of education.
adj. indispensable; fundamental
28. There are five distinct _____ at five unique wavelengths.
n. the act of production or sending out gas, heat, light, etc.
29. They worked hard to _____ the nature of their native lands.
v. to keep or maintain a particular quality, feature, etc., especially to prevent it from decaying, being damaged, or being destroyed
30. I casually _____ into the small hut.
v. to give a quick or brief look; to hit something at an angle
31. He is the _____ and chairman of this tech company.
n. one of several people who establishes an organization or starts a business
32. The third season of the anime show has been _____.
v. to make something known or officially inform people about something
33. In southward, the average annual water _____ increases.
n. the amount or number of something; magnitude
34. Trees absorb _____ dioxide and give off oxygen.
n. a chemical element that can be found in pure form as diamond or graphite, and it is also an essential part of coal and oil and is found in all plants and animals

ANSWERS: 26. substantially, 27. essential, 28. emissions, 29. preserve, 30. glanced, 31. cofounder, 32. announced, 33. quantity, 34. carbon

35. He left his wife an _____ fortune.

adj. extremely large or great

36. Internet traffic volumes have increased significantly with the advent of _____.

n. a mobile phone that functions as a computer and connects to the Internet

37. You have to _____ your content to the age of the audience.

v. to make a minor modification to something to make it more suited for a new set of conditions or to make it function better.

38. The _____ waiter accidentally spilled a tray of drinks on a customer.

adj. lacking in grace or skill; awkward; cumbersome

39. The _____ material in the oil spill cleanup kit absorbed the oil and helped to contain the damage.

n. a substance that absorbs other substances, often used in the treatment of liquids or gases

40. This machine is too difficult to _____ for me.

v. to work in a particular way; to supervise something

41. I was sweating at every _____.

n. a tiny hole in the skin of people or other animals that sweat can pass through;
(verb) to read carefully or study attentively

42. I'm a big ____ of French food.

n. a person who admires and supports a person, group, sport, sports team, etc.; a device for creating a current of air by the movement of a surface or surfaces

ANSWERS: 35. immense, 36. smartphones, 37. adjust, 38. clumsy, 39. sorbent, 40. operate, 41. pore, 42. fan

43. Babies heavily _____ on others for food.

- v.* to require a specific thing or the assistance and support of someone or something to continue, run properly, or succeed.

44. 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

45. The shape of the DNA _____ is a double helix.

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

46. _____ design has become more focused on human nature aspect than ever before.

- adj.* of or relating to or resulting from industry

47. The wheelchair user needed a _____ to access the building's entrance.

- n.* a sloping surface connecting two levels or inclines, typically used for the movement of people, vehicles, or goods

48. The _____ priority is the safety of the passengers.

- adj.* most important, leading, or prominent

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

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

50. I need to do the _____ before I run out of clean clothes.

- n.* the act of washing clothes and linens; a room or area where clothes are washed and ironed

ANSWERS: 43. rely, 44. atmosphere, 45. molecule, 46. Industrial, 47. ramp, 48. foremost, 49. snowstorm, 50. laundry

51. A vast _____ chandelier glittered brightly above us.

- n.* a solid material with many even sides that is formed naturally when the substance becomes solid and has a highly regular atomic structure; clear and colorless glass made of almost pure silica

52. The hiking trail was lined with towering _____ columns.

- n.* a dark, fine-grained volcanic rock that forms from the solidification of lava

53. These gas nebulas are merely newborn galactic _____.

- n.* the most essential or fundamental part of something

54. He discovered unique _____ for photochemical reactions.

- n.* a part of a machine, or a set of parts that performs a task; a natural or established process that occurs during a specific situation or reaction

55. We should do our best not to _____ the environment.

- v.* to make an area or substance, such as land, air, water, etc., dirty or harmful to living things by adding waste matter or harmful chemicals

56. This country _____ its weapons in the east region.

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

57. The minister decided to review its _____ public works projects.

- adj.* exceedingly large or extensive; (noun) any of numerous extinct elephants widely distributed in the Pleistocene

58. 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

ANSWERS: 51. crystal, 52. basalt, 53. cores, 54. mechanisms, 55. pollute, 56. deployed, 57. mammoth, 58. spirit

59. This study indicates _____ activity affects global warming.

adj. relating to or produced by or consisting of volcano

60. The biology teacher showed the students a frog _____ so they could examine its anatomy.

n. an individual example or sample of something, typically used to represent a larger group or category

61. The mobile application industry is _____ changing.

adv. all the time

62. Trains are _____ inexpensive, and ideal for long-distance travel.

adj. worthy of being relied on; trustworthy

63. Our company must continue to strive for greater _____.

n. the state or quality of doing something well with no waste of input such as time or money

64. It is common for oppressive governments to _____ through violence, using military and police force to control their citizens and suppress dissent.

v. to be common, widespread, or frequent; to be the strongest or most powerful

65. The president asked for a more _____ plan.

adj. existing in a physical or material form rather than an abstract one; based on facts rather than ideas or guesses; made of or covered with cement

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

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

ANSWERS: 59. volcanic, 60. specimen, 61. constantly, 62. reliable, 63. efficiency, 64. prevail, 65. concrete, 66. Climate

67. The data _____ that the company's profits have steadily increased over the past quarter.
- v.* to show, point out, or make known something, often through a sign or a symbol; to suggest or imply something without stating it directly
68. During the unloading, the container box _____ a clicking sound.
- v.* to give off or send out something such as light, heat, sound, gas, etc.
69. That candidate does not have _____ means to win an election with certainty.
- adj.* adequate; enough for a particular purpose or requirement
70. The blood's red coloring comes from iron _____.
- n.* a chemical compound that contains at least one oxygen atom and one other element
71. Several military _____ programs have become popular methods of exercise.
- n.* a tool or machine used for making round holes or driving fasteners; a training or practice
72. The ____ for the video game added new features and improved gameplay.
- n.* a modification or alteration, typically one made to improve something or increase its functionality; a British teenager or young adult in the 1960s, noted for their clothes consciousness and opposition to the rockers
73. We plan to schedule the feature update for the _____ ten days of September.
- adj.* situated nearer to the end of something than the beginning; recent
74. I was able to _____ the moment on film.
- v.* to catch a person or an animal and confine them in an area which they cannot escape

ANSWERS: 67. indicates, 68. emits, 69. sufficient, 70. oxide, 71. drill, 72. mod, 73. latter, 74. capture

75. He emphasized the _____ of immediate action.

n. the state or fact of being needed; anything indispensable

76. She is searching for a _____ residence.

adj. lasting for a long time without essential change

77. Having _____ parking has been very beneficial throughout the winter.

adj. under the surface of the ground; a secret group organized to achieve a specific purpose, such as overthrowing the government or occupying a force

78. Dolphins use sound to _____ with each other.

v. to share or exchange information with others by speaking, writing, moving your body, or using other signals

79. The global community is undergoing _____ changes at present.

adj. radical and extreme; likely to have a significant or far-reaching impact

80. Canada _____ on the United States.

v. to move forward by leaps and bounds; to form the boundary of something

81. The _____ lighting in the restaurant created a cozy and romantic atmosphere.

adj. relating to the immediate surroundings of something; creating a particular atmosphere or mood, often through sound or lighting

82. This company has invested heavily in Internet _____.

n. the activity of buying and selling things, especially on a large scale

83. The company's rules _____ the employee's working hours.

v. to tie or fasten someone or something tightly with rope, string, etc. so that they cannot move or are held together strongly

ANSWERS: 75. necessity, 76. permanent, 77. underground, 78. communicate, 79. drastic, 80. bounds, 81. ambient, 82. commerce, 83. bind

84. The boat sailed through the narrow _____ and into the harbor.
n. a small arm of the sea, a lake, or a river, usually leading inland
85. The company is planning to make a _____ expansion of its factory.
adj. involving many people or things and involving a lot of change or activity
86. According to the World Health Organization, the recommended safe lead level in drinking water is 15 _____.
n. an abbreviation for "parts per million," used to express the concentration of a substance in a solution or mixture
87. He created a beautiful piece of music using only _____.
n. the act of making something up on the spot or creating or performing something without preparation
88. The _____ of the statue caused much controversy in the community.
n. the act of taking something away or off from a particular place
89. How can you _____ that the earth is a sphere?
v. to display something or give an exhibition to an interested audience
90. The detective found the clues _____ and couldn't solve the case immediately.
adj. confusing or difficult to understand; mysterious
91. Let's try to _____ a bit of enthusiasm into your performance.
v. to put a liquid such as a drug or other substance into a person's or an animal's body using a needle and syringe (= small tube)

ANSWERS: 84. inlet, 85. large-scale, 86. ppm, 87. improvisation, 88. removal, 89. demonstrate, 90. puzzling, 91. inject

92. The government promised to _____ a new system to control the financial crisis.

v. to put a decision, plan, or system into effect

93. Later, his claim was found to be _____ false.

adv. completely

94. He was known to be very _____ and would often work late into the night.

adj. hardworking, diligent, and persistent in effort

95. The country has _____ oil and natural gas resources.

adj. present in great quantity

ANSWERS: 92. implement, 93. entirely, 94. industrious, 95. abundant