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Vocabulary Builder Reference from...

Xavier Vilalta: Architecture at home in its community |

TED Talk

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

All Words

IMPORTANT

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Session 1: Word List

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.

environment

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

synonym: atmosphere, surroundings, climate

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

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

architecture

n. the art and science of designing and constructing buildings

synonym: design, structure, layout

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

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

tradition

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

synonym : custom, practice, ritual

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

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

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.

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.

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.

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.

invitation

n. a spoken or written request to participate or be present or take part in something

synonym : request, asking, proposal

(1) a letter of **invitation**, (2) **invitation** of foreign investment
I will be very happy to accept your **invitation**.

multistory

adj. referring to a building or structure that has multiple floors or levels; characterized or designed for multiple stories or levels

synonym: multi-level, high-rise, tower

(1) **multistory** mall, (2) **multistory** car park

The **multistory** building had a stunning rooftop garden.

afford

v. to have enough money or time to be able to buy or do something

(1) **afford** to buy a new car, (2) **afford** a high travel cost

He cannot **afford** a holiday.

degree

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

synonym: level, qualification, diploma

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

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

pity

n. a feeling of sorrow and compassion caused by the suffering or misfortunes of others; an object of contempt or disdain

synonym: sympathy, compassion, mercy

(1) allow self- **pity**, (2) **pity** speech

It is a **pity** that the concert had to be canceled due to the storm.

captivate

v. to attract and hold the attention or interest of

synonym: enchant, charm, fascinate

(1) **captivate** public sentiment, (2) **captivate** the mind

The magician **captivated** the audience with his illusions.

structure

n. the way of construction of something and the arrangement of its parts, or a complex thing constructed

of many parts

synonym: construction, architecture, establishment

(1) the **structure** of a machine, (2) **structure** and function of the brain

The organizational **structure** of start-ups is often flat and straightforward.

vendor

n. a person or company that sells goods or services

synonym: seller, merchant, peddler

(1) street **vendor**, (2) food **vendor**

The **vendor** at the market sold the freshest produce I have ever tasted.

outdoors

adv. in or into the open air; outside a building or structure

synonym: outside, al fresco, in the open air

(1) exhausted **outdoors**, (2) sleep **outdoors**

She loves to hike **outdoors** and explore nature.

contemporary

adj. belonging to the same or present time

synonym: modern, stylish, coetaneous

(1) field of **contemporary** art, (2) **contemporary** leaders

Contemporary music has gained different followers from existing music.

principle

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

synonym: rule, creed, code

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

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

parallel

adj. being everywhere equidistant and not intersecting; of or relating to the simultaneous performance of multiple operations

synonym: aligned, side-by-side, similar

(1) a **parallel** case, (2) **parallel** processing

He walked a road **parallel** to the railroad.

extend

v. to broaden in scope, range, or area

synonym : prolong, lengthen, advance

(1) **extend** the warranty, (2) **extend** a line

Her visit will **extend** from Monday to Friday.

inclined

adj. having a tendency or preference for something; likely or disposed to think, feel, or behave in a certain way

synonym : disposed, prone, likely

(1) **inclined** to think, (2) **inclined** angle

I am **inclined** to believe that she is telling the truth.

atrium

n. a central or main hall or open space in a building, typically with a skylight or large window, often serving as a gathering area or focal point; (of anatomy) a chamber or cavity within the heart or inner ear

synonym : lobby, hall, chamber

(1) **atrium** architecture, (2) **atrium** valve

The office building had a beautiful **atrium** in the center, filled with natural light and plants.

void

n. an empty space; a feeling of emptiness; (adjective) lacking any legal or binding force

synonym : emptiness, vacuity, (adjective) null

(1) **void** of expression, (2) **void** contract

The **void** in her heart was filled with the love of her family.

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.

textile

n. any type of cloth made by weaving or felting or knitting

synonym : cloth, material, fabric

(1) **textile** production, (2) tissue **textiles**

China's **textile** industry has developed rapidly with the input of foreign capital.

shell

n. hard outer covering or case of eggs, nuts, some seeds, and some animals

synonym : ammunition, armor, cover

(1) an egg **shell**, (2) a mollusk **shell**

The outermost electron **shell** determines the chemical properties of an atom.

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.

perforate

v. to make small holes or punctures in something, often with a tool or sharp object

synonym : puncture, pierce, penetrate

(1) **perforate** paper, (2) **perforate** eardrum

After the medical exam, the doctor suspected that the patient's ulcer might have **perforated**, leading to more severe health complications.

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.

inspiration

n. something that motivates or encourages someone to create or achieve something, or a feeling of excitement or creativity

synonym : motivation, drive, encouragement

(1) source of **inspiration**, (2) get **inspiration** from nature
He found **inspiration** in the works of his favorite authors.

fractal

n. a complex geometric pattern or shape that repeats itself on smaller and smaller scales, often occurring in nature or mathematical equations

synonym: pattern, design, geometry

(1) **fractal** pattern, (2) **fractal** art

The coastline of Norway is one of the most famous examples of **fractal** geometry in nature.

geometry

n. the area of pure mathematics that deals with the points, lines, curves, and surfaces

(1) Euclidean **geometry**, (2) spherical **geometry**

The mathematician pioneered fractal **geometry**.

facade

n. the face or front of a building, especially a large one; superficial or false appearance intended to conceal something unpleasant

synonym: front, camouflage, masquerade

(1) the outside **facade** of a castle, (2) **facade** of wealth

A gentle **facade** concealed his powerfulness.

prefabricated

adj. constructed or made in advance, often in sections or components, before being assembled on-site; manufactured or built in a factory rather than on-site

synonym: prebuilt, prefab, factory-made

(1) **prefabricated** building, (2) **prefabricated** home

The new office building was constructed with **prefabricated** materials, which helped save time and money.

complement

v. to improve or make something more appealing by adding or contributing extra features to it

synonym: complete, integrate

(1) **complement** existing rules, (2) **complement** each other

Our application aims to **complement** the feature of web browsers.

convince

v. to persuade someone or make someone believe that something is true

synonym: persuade, win over, convert

(1) **convince** her to go with us, (2) **convince** an opponent
I am considering what I should do to **convince** him.

develop

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

synonym: evolve, progress, advance

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

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

profitable

adj. making or likely to make material gain or profit

synonym: advantageous, beneficial, thriving

(1) a **profitable** job, (2) **profitable** trade

The Prohibition amendment made bootlegging **profitable**.

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.

self-sufficient

adj. able to provide for one's own needs without assistance from others

synonym: independent, self-reliant, self-sustaining

(1) **self-sufficient** economy, (2) **self-sufficient** renewable energy

He was determined to become **self-sufficient** and not rely on anyone else.

electrify

v. to make a machine or system work by using electricity; to make someone extremely enthusiastic about or interested in something

synonym : wire, amaze, astonish

(1) **electrify** the audience, (2) **electrify** a manufacturing process

The product developed through years of research continues to **electrify** the market.

asset

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

synonym : aid, resource, equity

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

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

photovoltaics

n. a branch of technology that involves the conversion of sunlight into electricity using solar cells or other photoelectric devices; the generation of electricity directly from sunlight, typically using solar panels

synonym : solar cells, solar power

(1) **photovoltaics** recycling initiatives, (2) **photovoltaics** system

The development of thin-film **photovoltaics** has allowed for a wider range of applications in building design.

panel

n. a square or rectangular and flat piece of something that forms a distinct section or component of something; a small group of specialists who discuss particular topics or give their advice or opinion about something

synonym : board, commission, discussion

(1) **panel** discussion, (2) cost of solar **panels**

A **panel** of economic advisers from the United States visited the country to help rebuild its economy.

urban

adj. relating to or located in a town or city

synonym : metropolitan, civic

(1) **urban** planning, (2) **urban** property owners

Only a small number of **urban** utilities offer sanitation services.

oasis

n. a fertile land in a desert or semi-desert environment where there is water and therefore plants and trees and sometimes a village or town

(1) tropical **oasis**, (2) **oasis** farming

The **oasis** supplied water for early farms until the modern age.

porch

n. a covered entrance to a building, typically one leading to the front door and extending outwards

synonym: veranda, balcony, deck

(1) **porch** light, (2) a glass **porch**

The old rocking chair on the **porch** creaked as he sat down to read his book.

reuse

v. to use something again or more than once

synonym: reprocess, recycle, rehash

(1) **reuse** the materials, (2) **reuse** existing knowledge

The supermarket encourages shoppers to **reuse** plastic bags.

sanitation

n. the process of maintaining a clean and hygienic environment, particularly in public health and safety contexts; the practice of disposing of waste products in a safe and appropriate manner

synonym: cleanliness, hygiene, sterilization

(1) **sanitation** standards, (2) poor **sanitation**

Sanitation workers play a critical role in keeping our cities clean and healthy.

construct

v. to build or create something; to assemble or combine different parts to form something whole

synonym: build, assemble, create

(1) **construct** a 3D image, (2) **construct** a dam

He **constructs** hypotheses that no mathematician has ever imagined before.

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.

surround

v. to be all around something or somebody

synonym: encircle, encompass, envelop

(1) **surround** a town, (2) a stone wall **surrounds** the palace

On three sides, mountains **surround** the settlement.

straight

adj. extending or moving in one direction without bending or curving; having no deviations

synonym: linear, honest, consecutive

(1) a **straight** line, (2) **straight** for two months

He was sick for five **straight** days.

initial

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

synonym: basic, primary, beginning

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

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

characteristic

n. a typical feature or quality that can identify, tell apart, or describe something or somebody

synonym: feature, quality, attribute

(1) stripes **characteristic** of the zebra, (2) my friend's **characteristic** laugh

Bananas have their **characteristic** taste and odor.

courtyard

n. an open space surrounded by buildings or walls, often in the center of a building or group of buildings

synonym: patio, garden, atrium

(1) quiet **courtyard**, (2) spacious **courtyard**

The hotel's beautiful **courtyard** was the perfect spot for a wedding reception.

strategy

n. a detailed plan of action designed to achieve a long-term or overall goal.

synonym: approach, procedure, scenario

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

Our plan includes a comprehensive marketing **strategy**.

modify

v. to change something slightly, such as a plan, option, law, etc., especially to make it more suitable for a particular purpose

synonym: adjust, alter, revise

(1) genetically **modify** food, (2) **modify** my behavior

We use adverbs to **modify** verbs and adjectives.

orientation

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

synonym: direction, introduction, frontage

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

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

thermal

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

synonym: heat-related, warm, hot

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

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

ventilation

n. the provision of fresh air, especially to a room or building

synonym: air circulation, aeration, airing

(1) **ventilation** system, (2) hyper- **ventilation** syndrome

The **ventilation** system in the building needed to be

replaced.

overlap

v. to partially cover something by going beyond its edge

synonym: overlay, cover, bespread

(1) **overlap** one another, (2) **overlap** in many areas

There was no **overlap** between their proposals.

oriented

adj. referring to someone or something that is focused or directed toward a particular goal or objective; organized around a specific principle or approach

synonym: aligned, directed, focused

(1) **oriented** graph, (2) technology- **oriented**

The company is very customer- **oriented** and strives to provide excellent service.

combination

n. a collection of things that have been combined; an assemblage of separate parts or qualities

synonym: blend, hybrid, compounding

(1) genic **combinations**, (2) **combination** number

The **combination** to the safe was a secret.

pedestrian

n. a person who is in the street, especially in an area where vehicles go

synonym: walker, footer

(1) **pedestrian** accident, (2) **pedestrian** safety

A **pedestrian** is an uncommon sight in this area.

density

n. the quality of compactness of a substance

synonym: tightness, viscosity

(1) population **density**, (2) higher pixel **density**

Do you know the **density** of the population in Hong Kong?

reinforce

v. to strengthen or support something, especially by adding another material to it; to make emotion, idea, etc. stronger

synonym: strengthen, fortify, support

(1) **reinforce** the military, (2) **reinforce** good behavior

We should **reinforce** the troops at the front line.

volume

n. the amount of space occupied by an object or substance; the magnitude of sound

synonym : capacity, amount, intensity

(1) **volume** of work, (2) high **volume**

This container has a **volume** of 10 cubic meters.

dense

adj. containing a large number of people or something with little space between them

synonym : heavy, thick, idiotic

(1) nutrient- **dense** foods, (2) **dense** forests

The entire mountain is covered in **dense** rainforest.

gym

n. a place equipped for exercise and other physical training

synonym : fitness center, athletic club

(1) **gym** membership, (2) a **gym** suit

She went to the fully equipped **gym** to work out every day.

kindergarten

n. a school or class for young children, usually between the ages of four and six

synonym : preschool, nursery school, daycare

(1) **kindergarten** class, (2) **kindergarten** teacher

The **kindergarten** students were having a good time playing with toys.

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**.

process

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

for consumption or use in other dairy products

synonym : procedure, method, system

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

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

economy

n. the system by which a country or region produces, manages, and distributes goods and services, including the money and finances involved in these activities; (of an airline) the lowest-priced, most basic option for seating in commercial travel

synonym : finance, trade, business

(1) **economy** of scale, (2) **economy** class

The **economy** of the country is struggling due to the recent political instability.

importance

n. the quality of being important and worthy of note

synonym : significance, primacy, matter

(1) a man of **importance**, (2) high **importance**

I stopped by the branch though I have no business of **importance**.

affordable

adj. not expensive and able to pay

synonym : cheap, reasonable, inexpensive

(1) **affordable** housing, (2) **affordable** solution

The automaker has been providing **affordable** car financing options since last year.

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.

relation

n. the way two persons or groups of people feel and act toward one another

synonym : association, linkage, connection

(1) **relation** between cause and effect, (2) **relation** of inclusion

The industrial **relations** laws were passed with little to no alteration.

aim

v. to try or plan to get or achieve something

synonym : aspire, direct, target

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

We **aim** for an overseas expansion.

Session 2: Spelling

1. in_____l velocity *adj.* of or happening at the beginning; (noun) the first letter of a word, especially a person's name
2. re_____ce the military *v.* to strengthen or support something, especially by adding another material to it; to make emotion, idea, etc. stronger
3. source of ins_____on *n.* something that motivates or encourages someone to create or achieve something, or a feeling of excitement or creativity
4. inv_____on of foreign investment *n.* a spoken or written request to participate or be present or take part in something
5. aff_____le solution *adj.* not expensive and able to pay
6. 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
7. re_____ce good behavior *v.* to strengthen or support something, especially by adding another material to it; to make emotion, idea, etc. stronger
8. tissue te_____es *n.* any type of cloth made by weaving or felting or knitting
9. re_____on of inclusion *n.* the way two persons or groups of people feel and act toward one another
10. 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

ANSWERS: 1. initial, 2. reinforce, 3. inspiration, 4. invitation, 5. affordable, 6. concrete, 7. reinforce, 8. textile, 9. relation, 10. filter

11. mul_____ry car park *adj.* referring to a building or structure that has multiple floors or levels; characterized or designed for multiple stories or levels
12. pa__l discussion *n.* a square or rectangular and flat piece of something that forms a distinct section or component of something; a small group of specialists who discuss particular topics or give their advice or opinion about something
13. co_____ce her to go with us *v.* to persuade someone or make someone believe that something is true
14. quiet co_____rd *n.* an open space surrounded by buildings or walls, often in the center of a building or group of buildings
15. oa__s farming *n.* a fertile land in a desert or semi-desert environment where there is water and therefore plants and trees and sometimes a village or town
16. pre_____ted building *adj.* constructed or made in advance, often in sections or components, before being assembled on-site; manufactured or built in a factory rather than on-site
17. aff_____le housing *adj.* not expensive and able to pay
18. food ve____r *n.* a person or company that sells goods or services
19. ped_____an accident *n.* a person who is in the street, especially in an area where vehicles go
20. es_____al commodities of life *adj.* indispensable; fundamental

ANSWERS: 11. multistory, 12. panel, 13. convince, 14. courtyard, 15. oasis, 16. prefabricated, 17. affordable, 18. vendor, 19. pedestrian, 20. essential

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|-----------------------------|-------------|---|
| 21. co_____ct a 3D image | <i>v.</i> | to build or create something; to assemble or combine different parts to form something whole |
| 22. ca_____te the mind | <i>v.</i> | to attract and hold the attention or interest of |
| 23. military st_____gy | <i>n.</i> | a detailed plan of action designed to achieve a long-term or overall goal. |
| 24. at___m architecture | <i>n.</i> | a central or main hall or open space in a building, typically with a skylight or large window, often serving as a gathering area or focal point; (of anatomy) a chamber or cavity within the heart or inner ear |
| 25. g_m membership | <i>n.</i> | a place equipped for exercise and other physical training |
| 26. allow self-p___y | <i>n.</i> | a feeling of sorrow and compassion caused by the suffering or misfortunes of others; an object of contempt or disdain |
| 27. genetically mo___y food | <i>v.</i> | to change something slightly, such as a plan, option, law, etc., especially to make it more suitable for a particular purpose |
| 28. a g_m suit | <i>n.</i> | a place equipped for exercise and other physical training |
| 29. sel_____ent economy | <i>adj.</i> | able to provide for one's own needs without assistance from others |
| 30. kin_____ten teacher | <i>n.</i> | a school or class for young children, usually between the ages of four and six |

ANSWERS: 21. construct, 22. captivate, 23. strategy, 24. atrium, 25. gym, 26. pity, 27. modify, 28. gym, 29. self-sufficient, 30. kindergarten

31. pre_____ted home *adj.* constructed or made in advance, often in sections or components, before being assembled on-site; manufactured or built in a factory rather than on-site
32. ur__n property owners *adj.* relating to or located in a town or city
33. bachelor's de___e *n.* a unit of measurement for angles, temperature, or level of proficiency or achievement; a rank or level of academic or professional attainment
34. p__y speech *n.* a feeling of sorrow and compassion caused by the suffering or misfortunes of others; an object of contempt or disdain
35. interstate co_____ce *n.* the activity of buying and selling things, especially on a large scale
36. classic arc_____ure *n.* the art and science of designing and constructing buildings
37. a man of imp_____ce *n.* the quality of being important and worthy of note
38. en_____e value *v.* to increase or improve the quality, amount, or strength of someone or something
39. vo___e of work *n.* the amount of space occupied by an object or substance; the magnitude of sound
40. th_____l energy *adj.* relating to heat or temperature; designed for or capable of producing or maintaining heat
41. re_____on between cause and effect *n.* the way two persons or groups of people feel and act toward one another

ANSWERS: 31. prefabricated, 32. urban, 33. degree, 34. pity, 35. commerce, 36. architecture, 37. importance, 38. enhance, 39. volume, 40. thermal, 41. relation

42. im_____nt a corporate strategy *v.* to put a decision, plan, or system into effect
43. env_____nt affairs *n.* the natural world such as air, water, and land in which humans, animals, and plants live
44. spacious co_____rd *n.* an open space surrounded by buildings or walls, often in the center of a building or group of buildings
45. v__d of expression *n.* an empty space; a feeling of emptiness; (adjective) lacking any legal or binding force
46. get ins_____on from nature *n.* something that motivates or encourages someone to create or achieve something, or a feeling of excitement or creativity
47. at___m valve *n.* a central or main hall or open space in a building, typically with a skylight or large window, often serving as a gathering area or focal point; (of anatomy) a chamber or cavity within the heart or inner ear
48. spherical ge_____ry *n.* the area of pure mathematics that deals with the points, lines, curves, and surfaces
49. a glass po__h *n.* a covered entrance to a building, typically one leading to the front door and extending outwards
50. te_____e production *n.* any type of cloth made by weaving or felting or knitting

ANSWERS: 42. implement, 43. environment, 44. courtyard, 45. void, 46. inspiration, 47. atrium, 48. geometry, 49. porch, 50. textile

51. genic com_____ons *n.* a collection of things that have been combined; an assemblage of separate parts or qualities
52. ec_____y class *n.* the system by which a country or region produces manages, and distributes goods and services, including the money and finances involved in these activities; (of an airline) the lowest-priced, most basic option for seating in commercial travel
53. Euclidean ge_____ry *n.* the area of pure mathematics that deals with the points, lines, curves, and surfaces
54. sleep ou_____rs *adv.* in or into the open air; outside a building or structure
55. technology-or_____ed *adj.* referring to someone or something that is focused or directed toward a particular goal or objective; organized around a specific principle or approach
56. im_____nt security measures *v.* to put a decision, plan, or system into effect
57. mo_____y my behavior *v.* to change something slightly, such as a plan, option, law, etc., especially to make it more suitable for a particular purpose
58. an_____e a chemical compound *v.* to think about in-depth and evaluate to discover essential features or meaning
59. high vo_____e *n.* the amount of space occupied by an object or substance; the magnitude of sound

ANSWERS: 51. combination, 52. economy, 53. geometry, 54. outdoors, 55. oriented, 56. implement, 57. modify, 58. analyze, 59. volume

60. ur__n planning *adj.* relating to or located in a town or city
61. fa____ty design *n.* a building or place that provides a particular service or is used for a particular industry
62. a cold cl____e *n.* the weather in a particular location averaged over some long period
63. 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
64. against tr____on *n.* a belief, custom, or way of doing something that has been passed down from generation to generation within a group or society
65. stripes cha_____tic of the zebra *n.* a typical feature or quality that can identify, tell apart, or describe something or somebody
66. mul____ry mall *adj.* referring to a building or structure that has multiple floors or levels; characterized or designed for multiple stories or levels
67. el____fy a manufacturing process *v.* to make a machine or system work by using electricity; to make someone extremely enthusiastic about or interested in something
68. ov____p one another *v.* to partially cover something by going beyond its edge
69. fr____l pattern *n.* a complex geometric pattern or shape that repeats itself on smaller and smaller scales, often occurring in nature or mathematical equations

ANSWERS: 60. urban, 61. facility, 62. climate, 63. facility, 64. tradition, 65. characteristic, 66. multistory, 67. electrify, 68. overlap, 69. fractal

70. chaotic env_____nt *n.* the natural world such as air, water, and land in which humans, animals, and plants live
71. ven_____on system *n.* the provision of fresh air, especially to a room or building
72. my friend's cha_____tic laugh *n.* a typical feature or quality that can identify, tell apart, or describe something or somebody
73. street ve____r *n.* a person or company that sells goods or services
74. re__e existing knowledge *v.* to use something again or more than once
75. es_____al amino acid *adj.* indispensable; fundamental
76. decision-making pr_____s *n.* a series of actions or operations performed to achieve a particular outcome or goal; a systematic procedure or approach used to accomplish a specific task or objective; a method of treating milk to make it suitable for consumption or use in other dairy products
77. in_____ed to think *adj.* having a tendency or preference for something; likely or disposed to think, feel, or behave in a certain way
78. a_m to be a nurse *v.* to try or plan to get or achieve something
79. a mollusk sh__l *n.* hard outer covering or case of eggs, nuts, some seeds, and some animals
80. a_m at a specific target *v.* to try or plan to get or achieve something

ANSWERS: 70. environment, 71. ventilation, 72. characteristic, 73. vendor, 74. reuse, 75. essential, 76. process, 77. inclined, 78. aim, 79. shell, 80. aim

81. co____al combination of funds *adj.* belonging to or used by a group rather than individuals; for common use
82. arc_____ure design *n.* the art and science of designing and constructing buildings
83. pho_____ics system *n.* a branch of technology that involves the conversion of sunlight into electricity using solar cells or other photoelectric devices; the generation of electricity directly from sunlight, typically using solar panels
84. af____d a high travel cost *v.* to have enough money or time to be able to buy or do something
85. population de____y *n.* the quality of compactness of a substance
86. em____ng country *adj.* starting to exist, mature, or become well-known
87. the outside fa____e of a castle *n.* the face or front of a building, especially a large one; superficial or false appearance intended to conceal something unpleasant
88. ec____y of scale *n.* the system by which a country or region produces manages, and distributes goods and services, including the money and finances involved in these activities; (of an airline) the lowest-priced, most basic option for seating in commercial travel
89. v__d contract *n.* an empty space; a feeling of emptiness; (adjective) lacking any legal or binding force

ANSWERS: 81. communal, 82. architecture, 83. photovoltaics, 84. afford, 85. density, 86. emerging, 87. facade, 88. economy, 89. void

90. em_____ng technologies *adj.* starting to exist, mature, or become well-known
91. sexual ori_____on *n.* a person's basic attitudes, beliefs, and preferences about particular things; a course introducing a new situation or environment
92. ca_____te public sentiment *v.* to attract and hold the attention or interest of
93. pro_____le trade *adj.* making or likely to make material gain or profit
94. a st_____ht line *adj.* extending or moving in one direction without bending or curving; having no deviations
95. pe_____te eardrum *v.* to make small holes or punctures in something, often with a tool or sharp object
96. st_____re and function of the brain *n.* the way of construction of something and the arrangement of its parts, or a complex thing constructed of many parts
97. effects of cl_____e change *n.* the weather in a particular location averaged over some long period
98. the per_____ve of the battle *n.* a confident attitude toward something; a particular style of thinking about something
99. higher pixel de_____y *n.* the quality of compactness of a substance
100. an in_____l letter *adj.* of or happening at the beginning; (noun) the first letter of a word, especially a person's name

ANSWERS: 90. emerging, 91. orientation, 92. captivate, 93. profitable, 94. straight, 95. perforate, 96. structure, 97. climate, 98. perspective, 99. density, 100. initial

101. en_____e the flavor of the vanilla *v.* to increase or improve the quality, amount, or strength of someone or something
102. con_____ary leaders *adj.* belonging to the same or present time
103. frozen as__ts *n.* something or someone that is useful or valuable quality, skill, etc.; valuable property
104. com_____nt each other *v.* to improve or make something more appealing by adding or contributing extra features to it
105. in_____ed angle *adj.* having a tendency or preference for something; likely or disposed to think, feel, or behave in a certain way
106. pr_____le in business *n.* a fundamental law or truth that explains or controls how something happens or works
107. an egg sh__l *n.* hard outer covering or case of eggs, nuts, some seeds, and some animals
108. the st_____re of a machine *n.* the way of construction of something and the arrangement of its parts, or a complex thing constructed of many parts
109. 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
110. co_____ce an opponent *v.* to persuade someone or make someone believe that something is true
111. pho_____ics recycling initiatives *n.* a branch of technology that involves the conversion of sunlight into electricity using solar cells or other photoelectric devices; the generation of electricity directly from sunlight, typically using solar panels

ANSWERS: 101. enhance, 102. contemporary, 103. asset, 104. complement, 105. inclined, 106. principle, 107. shell, 108. structure, 109. concrete, 110. convince, 111.

photovoltaics

112. po__h light *n.* a covered entrance to a building, typically one leading to the front door and extending outwards
113. com_____nt existing rules *v.* to improve or make something more appealing by adding or contributing extra features to it
114. kin_____ten class *n.* a school or class for young children, usually between the ages of four and six
115. su_____nd a town *v.* to be all around something or somebody
116. pe_____te paper *v.* to make small holes or punctures in something, often with a tool or sharp object
117. hyper-ven_____on syndrome *n.* the provision of fresh air, especially to a room or building
118. a pa_____el case *adj.* being everywhere equidistant and not intersecting; of or relating to the simultaneous performance of multiple operations
119. pr_____le of treatment *n.* a fundamental law or truth that explains or controls how something happens or works
120. liquid as__ts of the company *n.* something or someone that is useful or valuable quality, skill, etc.; valuable property
121. st_____ht for two months *adj.* extending or moving in one direction without bending or curving; having no deviations

ANSWERS: 112. porch, 113. complement, 114. kindergarten, 115. surround, 116. perforate, 117. ventilation, 118. parallel, 119. principle, 120. asset, 121. straight

122. ped_____an safety *n.* a person who is in the street, especially in an area where vehicles go
123. th_____l insulation *adj.* relating to heat or temperature; designed for or capable of producing or maintaining heat
124. com_____on number *n.* a collection of things that have been combined; an assemblage of separate parts or qualities
125. el_____fy the audience *v.* to make a machine or system work by using electricity; to make someone extremely enthusiastic about or interested in something
126. de___e centigrade *n.* a unit of measurement for angles, temperature, or level of proficiency or achievement; a rank or level of academic or professional attainment
127. co_____ct a dam *v.* to build or create something; to assemble or combine different parts to form something whole
128. a letter of inv_____on *n.* a spoken or written request to participate or be present or take part in something
129. re___e the materials *v.* to use something again or more than once
130. field of con_____ary art *adj.* belonging to the same or present time
131. a per_____ve view *n.* a confident attitude toward something; a particular style of thinking about something
132. fa___e of wealth *n.* the face or front of a building, especially a large one; superficial or false appearance intended to conceal something unpleasant

ANSWERS: 122. pedestrian, 123. thermal, 124. combination, 125. electrify, 126. degree, 127. construct, 128. invitation, 129. reuse, 130. contemporary, 131. perspective, 132. facade

133. a tr_____on of a culture *n.* a belief, custom, or way of doing something that has been passed down from generation to generation within a group or society
134. tropical oa__s *n.* a fertile land in a desert or semi-desert environment where there is water and therefore plants and trees and sometimes a village or town
135. af___d to buy a new car *v.* to have enough money or time to be able to buy or do something
136. poor san_____on *n.* the process of maintaining a clean and hygienic environment, particularly in public health and safety contexts; the practice of disposing of waste products in a safe and appropriate manner
137. ex___d a line *v.* to broaden in scope, range, or area
138. co_____al swimming pool *adj.* belonging to or used by a group rather than individuals; for common use
139. sel_____ent renewable energy *adj.* able to provide for one's own needs without assistance from others
140. nutrient-de__e foods *adj.* containing a large number of people or something with little space between them
141. de__e forests *adj.* containing a large number of people or something with little space between them
142. exhausted ou_____rs *adv.* in or into the open air; outside a building or structure
143. develop a st_____gy *n.* a detailed plan of action designed to achieve a long-term or overall goal.

ANSWERS: 133. tradition, 134. oasis, 135. afford, 136. sanitation, 137. extend, 138. communal, 139. self-sufficient, 140. dense, 141. dense, 142. outdoors, 143. strategy

144. pa____el processing *adj.* being everywhere equidistant and not intersecting; of or relating to the simultaneous performance of multiple operations
145. cost of solar pa__ls *n.* a square or rectangular and flat piece of something that forms a distinct section or component of something; a small group of specialists who discuss particular topics or give their advice or opinion about something
146. a stone wall su____nds the palace *v.* to be all around something or somebody
147. the school ori______on *n.* a person's basic attitudes, beliefs, and preferences about particular things; a course introducing a new situation or environment
148. or____ed graph *adj.* referring to someone or something that is focused or directed toward a particular goal or objective; organized around a specific principle or approach
149. an____e your real motives *v.* to think about in-depth and evaluate to discover essential features or meaning
150. 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
151. fr____l art *n.* a complex geometric pattern or shape that repeats itself on smaller and smaller scales, often occurring in nature or mathematical equations

ANSWERS: 144. parallel, 145. panel, 146. surround, 147. orientation, 148. oriented, 149. analyze, 150. filter, 151. fractal

152. ex___d the warranty *v.* to broaden in scope, range, or area
153. high imp_____ce *n.* the quality of being important and worthy of note
154. ov_____p in many areas *v.* to partially cover something by going beyond its edge
155. de_____p a strategy *v.* to grow or expand; to improve or refine through a process of progress and refinement, often to achieve greater sophistication or complexity; to elaborate or add detail to something that is in the process of being created
156. pr_____s improvement *n.* a series of actions or operations performed to achieve a particular outcome or goal; a systematic procedure or approach used to accomplish a specific task or objective; a method of treating milk to make it suitable for consumption or use in other dairy products
157. san_____on standards *n.* the process of maintaining a clean and hygienic environment, particularly in public health and safety contexts; the practice of disposing of waste products in a safe and appropriate manner
158. the local chamber of co_____ce *n.* the activity of buying and selling things, especially on a large scale
159. de_____p a skill *v.* to grow or expand; to improve or refine through a process of progress and refinement, often to achieve greater sophistication or complexity; to elaborate or add detail to something that is in the process of being created

ANSWERS: 152. extend, 153. importance, 154. overlap, 155. develop, 156. process, 157. sanitation, 158. commerce, 159. develop

160. a pro_____le job

adj. making or likely to make material gain
or profit

ANSWERS: 160. profitable

Session 3: Fill in the Blanks

1. Bananas have their _____ taste and odor.
n. a typical feature or quality that can identify, tell apart, or describe something or somebody
2. The teacher attempted to _____ the root cause of our mistake.
v. to think about in-depth and evaluate to discover essential features or meaning
3. I am _____ to believe that she is telling the truth.
adj. having a tendency or preference for something; likely or disposed to think, feel, or behave in a certain way
4. This company has invested heavily in Internet _____.
n. the activity of buying and selling things, especially on a large scale
5. The entire mountain is covered in _____ rainforest.
adj. containing a large number of people or something with little space between them
6. The outermost electron _____ determines the chemical properties of an atom.
n. hard outer covering or case of eggs, nuts, some seeds, and some animals
7. I am considering what I should do to _____ him.
v. to persuade someone or make someone believe that something is true
8. The old rocking chair on the _____ creaked as he sat down to read his book.
n. a covered entrance to a building, typically one leading to the front door and extending outwards

ANSWERS: 1. characteristic, 2. analyze, 3. inclined, 4. commerce, 5. dense, 6. shell, 7. convince, 8. porch

9. The company is very customer-_____ and strives to provide excellent service.

adj. referring to someone or something that is focused or directed toward a particular goal or objective; organized around a specific principle or approach

10. The magician _____ the audience with his illusions.

v. to attract and hold the attention or interest of

11. He walked a road _____ to the railroad.

adj. being everywhere equidistant and not intersecting; of or relating to the simultaneous performance of multiple operations

12. She loves to hike _____ and explore nature.

adv. in or into the open air; outside a building or structure

13. Her visit will _____ from Monday to Friday.

v. to broaden in scope, range, or area

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

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

15. On three sides, mountains _____ the settlement.

v. to be all around something or somebody

16. They took the _____ step toward reconciliation.

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

17. The development of thin-film _____ has allowed for a wider range of applications in building design.

n. a branch of technology that involves the conversion of sunlight into electricity using solar cells or other photoelectric devices; the generation of electricity directly from sunlight, typically using solar panels

ANSWERS: 9. oriented, 10. captivated, 11. parallel, 12. outdoors, 13. extend, 14. Climate, 15. surround, 16. initial, 17. photovoltaics

18. The product developed through years of research continues to _____ the market.

- v.* to make a machine or system work by using electricity; to make someone extremely enthusiastic about or interested in something

19. She received her _____ in psychology from the university.

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

20. He cannot _____ a holiday.

- v.* to have enough money or time to be able to buy or do something

21. We _____ for an overseas expansion.

- v.* to try or plan to get or achieve something

22. The _____ building had a stunning rooftop garden.

- adj.* referring to a building or structure that has multiple floors or levels; characterized or designed for multiple stories or levels

23. The _____ imaging camera was used to detect heat signatures in the dark.

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

24. The _____ to the safe was a secret.

- n.* a collection of things that have been combined; an assemblage of separate parts or qualities

25. The organizational _____ of start-ups is often flat and straightforward.

- n.* the way of construction of something and the arrangement of its parts, or a complex thing constructed of many parts

ANSWERS: 18. electrify, 19. degree, 20. afford, 21. aim, 22. multistory, 23. thermal, 24. combination, 25. structure

26. _____ workers play a critical role in keeping our cities clean and healthy.
- n.* the process of maintaining a clean and hygienic environment, particularly in public health and safety contexts; the practice of disposing of waste products in a safe and appropriate manner
27. He was sick for five _____ days.
- adj.* extending or moving in one direction without bending or curving; having no deviations
28. The _____ of the country is struggling due to the recent political instability.
- n.* the system by which a country or region produces manages, and distributes goods and services, including the money and finances involved in these activities; (of an airline) the lowest-priced, most basic option for seating in commercial travel
29. The mathematician pioneered fractal _____.
- n.* the area of pure mathematics that deals with the points, lines, curves, and surfaces
30. China's _____ industry has developed rapidly with the input of foreign capital.
- n.* any type of cloth made by weaving or felting or knitting
31. The _____ system in the building needed to be replaced.
- n.* the provision of fresh air, especially to a room or building
32. Our application aims to _____ the feature of web browsers.
- v.* to improve or make something more appealing by adding or contributing extra features to it
33. There will be an _____ lecture for new students this afternoon.
- n.* a person's basic attitudes, beliefs, and preferences about particular things; a course introducing a new situation or environment

ANSWERS: 26. Sanitation, 27. straight, 28. economy, 29. geometry, 30. textile, 31. ventilation, 32. complement, 33. orientation

34. Every human is responsible for taking care of the Earth's _____.
- n.* the natural world such as air, water, and land in which humans, animals, and plants live
35. 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
36. He found _____ in the works of his favorite authors.
- n.* something that motivates or encourages someone to create or achieve something, or a feeling of excitement or creativity
37. The coastline of Norway is one of the most famous examples of _____ geometry in nature.
- n.* a complex geometric pattern or shape that repeats itself on smaller and smaller scales, often occurring in nature or mathematical equations
38. _____ music has gained different followers from existing music.
- adj.* belonging to the same or present time
39. The government promised to _____ a new system to control the financial crisis.
- v.* to put a decision, plan, or system into effect
40. A _____ of economic advisers from the United States visited the country to help rebuild its economy.
- n.* a square or rectangular and flat piece of something that forms a distinct section or component of something; a small group of specialists who discuss particular topics or give their advice or opinion about something

ANSWERS: 34. environment, 35. concrete, 36. inspiration, 37. fractal, 38. Contemporary, 39. implement, 40. panel

41. The hotel's beautiful _____ was the perfect spot for a wedding reception.
n. an open space surrounded by buildings or walls, often in the center of a building or group of buildings
42. The new strategy will _____ the profitability of our company.
v. to increase or improve the quality, amount, or strength of someone or something
43. It is a _____ in many families to have a big Thanksgiving dinner with all their relatives.
n. a belief, custom, or way of doing something that has been passed down from generation to generation within a group or society
44. _____ elections were held in several European countries.
adj. belonging to or used by a group rather than individuals; for common use
45. She went to the fully equipped _____ to work out every day.
n. a place equipped for exercise and other physical training
46. The _____ students were having a good time playing with toys.
n. a school or class for young children, usually between the ages of four and six
47. The _____ for applying for a visa can be lengthy and complicated.
n. a series of actions or operations performed to achieve a particular outcome or goal; a systematic procedure or approach used to accomplish a specific task or objective; a method of treating milk to make it suitable for consumption or use in other dairy products
48. The office building had a beautiful _____ in the center, filled with natural light and plants.
n. a central or main hall or open space in a building, typically with a skylight or large window, often serving as a gathering area or focal point; (of anatomy) a chamber or cavity within the heart or inner ear

ANSWERS: 41. courtyard, 42. enhance, 43. tradition, 44. Communal, 45. gym, 46. kindergarten, 47. process, 48. atrium

49. Do you know the _____ of the population in Hong Kong?
n. the quality of compactness of a substance
50. The _____ supplied water for early farms until the modern age.
n. a fertile land in a desert or semi-desert environment where there is water and therefore plants and trees and sometimes a village or town
51. _____ technologies have dramatically improved productivity in various industries.
adj. starting to exist, mature, or become well-known
52. A sense of humor is an invaluable _____ in this job.
n. something or someone that is useful or valuable quality, skill, etc.; valuable property
53. We use adverbs to _____ verbs and adjectives.
v. to change something slightly, such as a plan, option, law, etc., especially to make it more suitable for a particular purpose
54. Our plan includes a comprehensive marketing _____.
n. a detailed plan of action designed to achieve a long-term or overall goal.
55. It is a _____ that the concert had to be canceled due to the storm.
n. a feeling of sorrow and compassion caused by the suffering or misfortunes of others; an object of contempt or disdain
56. This container has a _____ of 10 cubic meters.
n. the amount of space occupied by an object or substance; the magnitude of sound

ANSWERS: 49. density, 50. oasis, 51. Emerging, 52. asset, 53. modify, 54. strategy, 55. pity, 56. volume

57. We should _____ the troops at the front line.

- v.* to strengthen or support something, especially by adding another material to it; to make emotion, idea, etc. stronger

58. I will be very happy to accept your _____.

- n.* a spoken or written request to participate or be present or take part in something

59. I stopped by the branch though I have no business of _____.

- n.* the quality of being important and worthy of note

60. There was no _____ between their proposals.

- v.* to partially cover something by going beyond its edge

61. A gentle _____ concealed his powerfulness.

- n.* the face or front of a building, especially a large one; superficial or false appearance intended to conceal something unpleasant

62. The industrial _____ laws were passed with little to no alteration.

- n.* the way two persons or groups of people feel and act toward one another

63. Only a small number of _____ utilities offer sanitation services.

- adj.* relating to or located in a town or city

64. After the medical exam, the doctor suspected that the patient's ulcer might have _____ leading to more severe health complications.

- v.* to make small holes or punctures in something, often with a tool or sharp object

65. He _____ hypotheses that no mathematician has ever imagined before.

- v.* to build or create something; to assemble or combine different parts to form something whole

ANSWERS: 57. reinforce, 58. invitation, 59. importance, 60. overlap, 61. facade, 62. relations, 63. urban, 64. perforated, 65. constructs

66. Trial and error is an _____ part of education.

adj. indispensable; fundamental

67. The supermarket encourages shoppers to _____ plastic bags.

v. to use something again or more than once

68. The _____ at the market sold the freshest produce I have ever tasted.

n. a person or company that sells goods or services

69. A _____ is an uncommon sight in this area.

n. a person who is in the street, especially in an area where vehicles go

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

n. the art and science of designing and constructing buildings

71. We must _____ a new system to streamline our workflow and increase efficiency.

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

72. The Prohibition amendment made bootlegging _____.

adj. making or likely to make material gain or profit

73. His father's death changed his whole _____ on life.

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

74. He was determined to become _____ and not rely on anyone else.

adj. able to provide for one's own needs without assistance from others

ANSWERS: 66. essential, 67. reuse, 68. vendor, 69. pedestrian, 70. architecture, 71. develop, 72. profitable, 73. perspective, 74. self-sufficient

75. Efficiency isn't an essential _____ here; fairness is.
n. a fundamental law or truth that explains or controls how something happens or works
76. The automaker has been providing _____ car financing options since last year.
adj. not expensive and able to pay
77. 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
78. The new office building was constructed with _____ materials, which helped save time and money.
adj. constructed or made in advance, often in sections or components, before being assembled on-site; manufactured or built in a factory rather than on-site
79. The _____ in her heart was filled with the love of her family.
n. an empty space; a feeling of emptiness; (adjective) lacking any legal or binding force
80. 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: 75. principle, 76. affordable, 77. filter, 78. prefabricated, 79. void, 80. facility,