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Vocabulary Builder Reference from...

Jessica Ochoa Hendrix: How virtual reality turns students into scientists | TED Talk

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

All Words

IMPORTANT

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Session 1: Word List

discovery

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

synonym: finding, uncovering, detection

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

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

exposed

adj. having no protection or shield from something, such as bad weather, attack, or criticism

synonym: endangered, revealed, disclosed

(1) **exposed** to radiation, (2) an **exposed** rock

Tech companies often employ **exposed** ducts and other materials in their office interiors.

advocate

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

synonym: proponent, exponent, promoter

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

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

- mar** v. to damage or spoil the appearance or surface of something
synonym : damage, deface, disfigure
(1) **mar** a proper relationship, (2) **mar** the reputation
The scratches on the car **marred** its otherwise perfect appearance.
- wright** n. a person who makes or repairs something, especially a craftsman or artisan who works with wood or metal
synonym : builder, constructor, craftsman
(1) a car- **wright**, (2) aircraft **wright**
She was a skilled **wright**, able to craft intricate pieces of furniture.
- fortunate** *adj.* having good luck or lucky
synonym : fortuitous, lucky, blessed
(1) **fortunate** situation, (2) less **fortunate** person
He was pretty **fortunate** to pass the exam.
- 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.
- 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.
- extended** *adj.* longer than usual or anticipated
synonym : extensive, prolonged, elongated

(1) **extended** vacation, (2) **extended** payment
The **extended** airport runways may accommodate larger jets.

marine

adj. relating to the sea and the creatures and plants that live there

synonym: sea-dwelling, maritime, aquatic

(1) **marine** insurance, (2) variety of **marine** life

Seals and whales are **marine** animals beloved by the people.

biology

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

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

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

grade

n. a particular level of quality, size, importance, etc.

synonym: score, rate, degree

(1) boys in the twelfth **grade**, (2) students at all **grade** levels

Departments may set requirements for a higher **grade** point average.

excite

v. to make someone feel suddenly enthusiastic or eager

synonym: thrill, exhilarate, animate

(1) **excite** the crowd, (2) **excite** rebellion

The news of her promotion **excited** her.

biochemical

adj. relating to the chemical processes and substances that occur within living organisms

synonym: molecular, biological

(1) **biochemical** reaction, (2) complex **biochemical**

Biochemical research is essential to understanding the complex chemical reactions in living organisms.

educational

adj. relating to education or providing knowledge or instruction

synonym: instructional, informative, enlightening

(1) **educational** system, (2) elevate **educational** standards
The museum offers a variety of **educational** programs for children and adults.

psychology

n. the scientific study of mind and behavior

(1) **psychology** experiment, (2) **psychology** of crowd
She had a master's degree in **psychology**.

realistic

adj. having or showing a sensible and practical idea that is possible to achieve

synonym: practical, pragmatic, down-to-earth

(1) a **realistic** goal, (2) a **realistic** goal

That story was so **realistic**, and it was scary.

discuss

v. to talk about or examine in detail through conversation or debate; to exchange ideas, opinions, or information on a particular topic

synonym: talk about, converse, debate

(1) **discuss** options, (2) **discuss** solutions

We need to **discuss** the next steps for the project during our meeting tomorrow.

virtual

adj. being actually such in almost every respect; existing in essence or effect though not in actual fact

synonym: practical

(1) a **virtual** image, (2) trading of **virtual** currencies

She is the **virtual** president of the company.

addition

n. the act or process of adding something to something else; the process of adding numbers

synonym: accumulation, expansion, addendum

(1) chemical **addition**, (2) **addition** of vectors

In **addition**, private corporations provide healthcare services.

academic

adj. associated with schools, colleges, and universities, especially studying and thinking, not with practical skills

synonym: educational, scholarly, theoretical

(1) **academic** probation, (2) an **academic** discussion
An excellent historian must possess an **academic** mentality.

retain

v. to keep or continue to possess or maintain something
synonym: possess, hold, keep on

(1) **retain** information, (2) **retain** a lawyer
Computers help people **retain** specific memories.

underrepresented

adj. not adequately or proportionately represented, often in terms of a particular group, population, or perspective being excluded or marginalized

synonym: belittled, marginalized, disadvantaged

(1) feel **underrepresented**, (2) **underrepresented** data
Underrepresented communities need more support and resources to achieve equity.

nation

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

synonym: country, state, sovereign entity

(1) **nation-state**, (2) a seafaring **nation**
The **nation** of Japan is known for its unique culture and advanced technology.

foundation

n. the lowest load-bearing part of a building, typically below ground level; a fundamental basis or principle upon which something is built or established; an organization that provides funding or support for charitable or educational purposes

synonym: base, support, groundwork

(1) **foundation** course, (2) weak **foundation**
The **foundation** of the building was cracked and needed to be repaired.

combine

v. to join or merge to form a single thing or group
synonym: coalesce, cohere, blend

(1) **combine** chemically with another substance,

(2) **combine** augmented reality

Hydrogen and oxygen **combine** to form water.

digital

adj. processing or storing information as a succession of 1 and 0 to show that a signal is present or missing; relating to the use of computer technology, especially the internet

synonym : numerical, computerized, cyber

(1) a **digital** watch, (2) **digital** electronic signature

Sensors convert physical phenomena into **digital** signals.

journal

n. a newspaper or magazine specialized in a specific topic or profession

synonym : periodical, diary, bulletin

(1) scientific **journal**, (2) **journal** articles

The physician is reading the **journals** related to medicine

seamless

adj. without spaces or breaks between one part and the next

synonym : smooth, continuous, unseamed

(1) enable **seamless** access, (2) **seamless** device connectivity

The service was **seamless**, and the food was quite delicious.

curriculum

n. a series of subjects comprising a course of study in a school, college, etc.

synonym : program, syllabus, course of study

(1) a **curriculum** vitae, (2) an academic **curriculum**

A committee was appointed to manage the reorganization of the **curriculum**.

empower

v. to give someone the power or authority to do something

synonym : authorize, endow, entitle

(1) **empower** my life, (2) **empower** the secretary to do the same

The company **empowered** employees to buy low-price items without approval to achieve efficient purchasing.

cutting-edge

adj. being at the forefront of a particular field or development; (noun) the latest or most advanced stage in the development of a specific type of work or activity

synonym : state-of-the-art, innovative, advanced

(1) **cutting-edge** molecular biology, (2) **cutting-edge** design

The **cutting-edge** technology was revolutionary in its field.

cardboard

n. a stiff, thick material made from compressed paper pulp used to make boxes and other packaging materials

synonym : corrugated board, paperboard

(1) **cardboard** box, (2) **cardboard** cutout

I made a **cardboard** box to store my winter clothes in.

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**.

inexpensive

adj. costing little; having a low price

synonym : cheap, affordable, economical

(1) **inexpensive** option, (2) an **inexpensive** inn

The restaurant offered delicious food at an **inexpensive** price.

headset

n. a pair of headphones, typically with a microphone attached

(1) **headset** with a microphone, (2) noise reduction **headset**

Professional game players pay the latest attention to the sound quality of their **headsets**.

transport

n. a system for moving people or products from one location to another using automobiles, roads, and so on

synonym : shipment, transit, conveyance

(1) **transport** facilities, (2) access to public **transport**

Enhanced rail **transportation** is crucial for our business.

underwater

adv. below or under the surface of the water

synonym: submerged, undersea, submarine

(1) hold my breath **underwater**, (2) seals sleep **underwater**

He is good at swimming **underwater**.

expedition

n. a journey or voyage for a specific purpose

synonym: journey, trip, voyage

(1) **expedition** team, (2) a polar **expedition**

The **expedition** to the Amazon jungle was both exciting and challenging.

stud

n. a small object with a head on one end and a sharp point on the other, used for fastening clothing, leather, or other materials; an animal used for breeding, typically a male horse or bull that is of superior breeding stock; (verb) to decorate or adorn with studs; to provide with studs for support

synonym: beam, scantling, framing

(1) horse **stud**, (2) wall **stud**

He bought a new **stud** to attach the strap to his watch.

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.

hypothesis

n. a proposed idea or explanation that is based on a few known facts but has not yet been proven to be true or accurate

synonym: assumption, conjecture, theory

(1) test my **hypothesis**, (2) a bold **hypothesis**

This evidence supports the big-bang **hypothesis**.

accurate

adj. correct and exact in all details

synonym : exact, precise, proper

(1) provide **accurate** information, (2) **accurate** measurements

The official transcript contains **accurate** academic records.

observation

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

synonym : watching, notice, reflection

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

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

claim

v. to assert that something is true; to demand or request something as one's own; to lay legal or moral right to something; (noun) a demand or assertion of a right or something that one believes to be true

synonym : assert, declare, maintain

(1) **claim** responsibility, (2) false **claim**

He wants to **claim** ownership of the abandoned property.

interaction

n. the act of connecting with someone, mainly when working, playing, or spending time with them

synonym : dealings, exchange, relations

(1) the **interaction** between man and his environment,

(2) **interaction** among human beings

The **interaction** of the two groups is good for brainstorming.

educator

n. a person who teaches or educates people

synonym : teacher, instructor, lecturer

(1) business **educator**, (2) duty as an **educator**

She is an **educator** with progressive ideas.

assess

v. to judge or decide the nature or quality of someone or something

synonym : estimate, evaluate, consider

(1) **assess** a tax of 10 pounds, (2) **assess** the quality

Our company needs to **assess** the business impact of climate change.

dashboard

n. a control panel set within the central console of a vehicle or small aircraft; a diagram that depicts critical information, typically one that provides a business overview

synonym : control panel

(1) auto **dashboard**, (2) business **dashboard**

He noticed that the oil warning light on the **dashboard** of his car had turned on.

progression

n. the act or process of changing to the next stage or phase or moving forward

synonym : advancement, development, evolution

(1) **progression** of civilization, (2) **progression** of disease

The company has made great strides in its **progression** toward sustainability.

observe

v. to watch or notice something carefully, often to gather information or insights; to take note of something or someone; to celebrate or commemorate a special event or occasion

synonym : watch, monitor, scrutinize

(1) **observe** a tradition, (2) **observe** wildlife

It is important to **observe** safety procedures in the workplace to prevent accidents.

flora

n. all the plants in a particular region or time, typically regarded as a whole

synonym : vegetation, plants, greenery

(1) bowel **flora**, (2) aquatic **flora**

The Amazon rainforest is home to a diverse **flora** of plant species.

fauna

n. the animal life of a particular region, habitat, or geological period

synonym : wildlife, creatures, animals

(1) the tropical **fauna**, (2) **fauna** reserve

The national park is home to a diverse **fauna** of animal species.

abiotic

adj. relating to or resulting from non-living things, such as rocks, minerals, and other inorganic matter; not caused by living organisms

synonym : nonliving, lifeless, inorganic

(1) **abiotic** stress, (2) **abiotic** environment

Abiotic factors like soil quality and topography can impact the success of farming.

qualitative

adj. relating to or involving qualities, such as properties, characteristics, or features, rather than quantities or numbers, often used to describe research or analysis that focuses on subjective or non-measurable factors

synonym : subjective, interpretative

(1) **qualitative** analysis, (2) **qualitative** factors

The researchers used a **qualitative** approach to analyze their findings.

collaborate

v. to work with someone else to produce or achieve something

synonym : cooperate, unite, get together

(1) **collaborate** with the police, (2) **collaborate** on a press release

She agreed to **collaborate** with him in creating new artwork.

teamwork

n. the combined action of a group of people working together towards a common goal

synonym : collaboration, cooperation, coordination

(1) poor **teamwork**, (2) **teamwork** in business

Harmonious **teamwork** is essential to the success of this project.

geography

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

synonym: landscape, terrain, topography

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

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

locate

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

synonym: discover, find, place

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

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

brain

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

synonym: intellect, mind, encephalon

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

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

maximum

adj. the largest or greatest amount or value attainable or attained

synonym: peak, top, highest

(1) **maximum** limit, (2) the **maximum** speed

The **maximum** temperature recorded this summer was higher than average.

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**.

exposure

n. the state of being in a particular situation or place where there is no protection from or guarantee to something harmful; the disclosure of something secret

synonym: vulnerability, disclosure, uncovering

(1) a southern **exposure**, (2) the **exposure** of a fraud

The long **exposure** to the air tarnished the antique tableware.

intern

v. to put someone in prison, especially for political or military reasons; (noun) a student or trainee who works, sometimes for free, to get work experience or to fulfill qualification criteria

synonym: apprentice, trainee, student

(1) **intern** civilians, (2) medical **intern**

The navy **interned** ships of defeated nations.

pilot

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

synonym: aviator, flyer, chief

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

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

jersey

n. a knitted garment typically made of wool or cotton, worn as a shirt or pullover

synonym: shirt, sweater, top

(1) **jersey** material, (2) fabric of the **jersey**

I always wear my favorite basketball player's **jersey** to the games.

dynamics

n. the branch of mechanics that deals with the motion of bodies under the action of forces, including the particular case in which a body remains at rest; forces that produce or stimulate movement, growth, or change

synonym: mechanics, kinetics, kinematics

(1) **dynamics** of group, (2) **dynamics** of economy

The relationship **dynamics** between the two countries were complex and constantly changing.

luxury

n. a state of great comfort or sophistication, mainly provided by expensive and beautiful things

synonym: extravagance, indulgence, opulence

(1) get into the **luxury** car market, (2) **luxury** hotel

His anti- **luxury** practices were quite strict.

mind-blowing

adj. extremely impressive in a way that affects someone's mind or emotions

synonym : amazing, incredible, shocking

(1) **mind-blowing** discovery, (2) a **mind-blowing** horror story

The **mind-blowing** effects of the psychedelic drug were unlike anything he had ever experienced.

engage

v. to attract and keep someone's attention and interest; to participate in or obtain services of something

synonym : confront, employ, amuse

(1) **engage** in environmental protection activities,
(2) **engage** a new employee

Many multinational companies are **engaged** in the reconstruction of that country.

interactive

adj. acting reciprocally; mutually responsive

synonym : reciprocal, responsive, mutual

(1) **interactive** experience, (2) an **interactive** device

The new video game has an **interactive** storyline that allows players to make choices that affect the game's outcome.

confuse

v. to mistake one thing for another; to make somebody hard to understand

synonym : confound, obscure, disorient

(1) **confuse** the listener, (2) **confuse** fantasy with reality
Her remarks **confused** the debate.

eventually

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

synonym : finally, someday, ultimately

(1) **eventually** become obsolete, (2) **eventually** succeed
The corporation **eventually** dominated the entire tobacco business.

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.

platform

n. the raised flat space close to the track at a train station where passengers get on or off the train; (technology) a computational or digital environment in which a piece of software is executed

synonym: stage, podium, forum

(1) an arrival **platform**, (2) a digital **platform** for enterprise

The speaker mounted the **platform** and started to speak.

decide

v. to make up someone's mind about something; to come to a conclusion or judgment after considering options

synonym: choose, determine, settle

(1) **decide** a question, (2) **decide** on a course of action

She couldn't **decide** whether to order the pizza or the pasta for dinner.

explore

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

synonym: analyze, delve into, examine

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

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

desire

n. a strong feeling of wanting to have or do something

synonym: ambition, appetite, greed

(1) unsatisfied **desire**, (2) fleshly **desire**

Low sexual **desire** typically correlates with low testosterone levels.

primary

adj. first or highest in rank, order, or importance; most fundamental or essential; pertaining to the initial or introductory stage of something, such as a school year or election cycle

synonym : chief, main, fundamental

(1) **primary** school, (2) **primary** education

The **primary** cause of the accident was due to the icy road conditions.

immerse

v. to become fully involved in a particular activity; to dip or submerge in a liquid, especially so that they or it are entirely covered

synonym : dip, inundate, submerge

(1) **immerse** the cloth in the dye, (2) completely **immerse** the ingredient

He **immersed** himself in his research.

critic

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

synonym : pundit, analyst, attacker

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

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

trajectory

n. the curved path followed by an object moving through space

synonym : course, curve, orbit

(1) career **trajectory**, (2) a **trajectory** missile

The company has shown an excellent growth **trajectory** over the years.

Session 2: Spelling

1. weak fou_____on
n. the lowest load-bearing part of a building, typically below ground level; a fundamental basis or principle upon which something is built or established; an organization that provides funding or support for charitable or educational purposes
2. seals sleep und_____er
adv. below or under the surface of the water
3. sma_____ne app developer
n. a mobile phone that functions as a computer and connects to the Internet
4. co_____e the listener
v. to mistake one thing for another; to make somebody hard to understand
5. pr_____y school
adj. first or highest in rank, order, or importance; most fundamental or essential; pertaining to the initial or introductory stage of something, such as a school year or election cycle
6. ab_____c environment
adj. relating to or resulting from non-living things, such as rocks, minerals, and other inorganic matter; not caused by living organisms
7. auto da_____rd
n. a control panel set within the central console of a vehicle or small aircraft; a diagram that depicts critical information, typically one that provides a business overview
8. the tropical fa__a
n. the animal life of a particular region, habitat, or geological period

ANSWERS: 1. foundation, 2. underwater, 3. smartphone, 4. confuse, 5. primary, 6. abiotic, 7. dashboard, 8. fauna

16. te____rk in business *n.* the combined action of a group of people working together towards a common goal
17. an ine_____ve inn *adj.* costing little; having a low price
18. provide ac_____te information *adj.* correct and exact in all details
19. re____n a lawyer *v.* to keep or continue to possess or maintain something
20. di_____s options *v.* to talk about or examine in detail through conversation or debate; to exchange ideas, opinions, or information on a particular topic
21. co_____e fantasy with reality *v.* to mistake one thing for another; to make somebody hard to understand
22. en____e a new employee *v.* to attract and keep someone's attention and interest; to participate in or obtain services of something
23. cut_____dge design *adj.* being at the forefront of a particular field or development; (noun) the latest or most advanced stage in the development of a specific type of work or activity
24. col_____te on a press release *v.* to work with someone else to produce or achieve something
25. em_____ng technologies *adj.* starting to exist, mature, or become well-known
26. false cl__m *v.* to assert that something is true; to demand or request something as one's own; to lay legal or moral right to something; (noun) a demand or assertion of a right or something that one believes to be true

ANSWERS: 16. teamwork, 17. inexpensive, 18. accurate, 19. retain, 20. discuss, 21. confuse, 22. engage, 23. cutting-edge, 24. collaborate, 25. emerging, 26. claim

27. ex____ed payment *adj.* longer than usual or anticipated
28. ma____m limit *adj.* the largest or greatest amount or value attainable or attained
29. the int_____on between man and his environment *n.* the act of connecting with someone, mainly when working, playing, or spending time with them
30. ab____c stress *adj.* relating to or resulting from non-living things, such as rocks, minerals, and other inorganic matter; not caused by living organisms
31. economic ge_____hy *n.* a field of science devoted to the study of the lands, features, inhabitants, and phenomena of the Earth
32. trading of vi____l currencies *adj.* being actually such in almost every respect; existing in essence or effect though not in actual fact
33. ca_____rd cutout *n.* a stiff, thick material made from compressed paper pulp used to make boxes and other packaging materials
34. aquatic fl__a *n.* all the plants in a particular region or time, typically regarded as a whole
35. pro_____on of disease *n.* the act or process of changing to the next stage or phase or moving forward
36. ex___e the crowd *v.* to make someone feel suddenly enthusiastic or eager
37. je___y material *n.* a knitted garment typically made of wool or cotton, worn as a shirt or pullover
38. cl__m responsibility *v.* to assert that something is true; to demand or request something as one's own; to lay legal or moral right to something; (noun) a demand or assertion of a right or something that one believes to be true

ANSWERS: 27. extended, 28. maximum, 29. interaction, 30. abiotic, 31. geography, 32. virtual, 33. cardboard, 34. flora, 35. progression, 36. excite, 37. jersey, 38. claim

39. de___e a question *v.* to make up someone's mind about something; to come to a conclusion or judgment after considering options
40. ex_____ed vacation *adj.* longer than usual or anticipated
41. a southern ex_____re *n.* the state of being in a particular situation or place where there is no protection from or guarantee to something harmful; the disclosure of something secret
42. 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
43. ac_____ic probation *adj.* associated with schools, colleges, and universities, especially studying and thinking, not with practical skills
44. basic br__n function *n.* the organ inside the head that is responsible for one's movement, thought, memory, and feeling
45. business da_____rd *n.* a control panel set within the central console of a vehicle or small aircraft; a diagram that depicts critical information, typically one that provides a business overview
46. an ex_____d rock *adj.* having no protection or shield from something, such as bad weather, attack, or criticism
47. ca_____rd box *n.* a stiff, thick material made from compressed paper pulp used to make boxes and other packaging materials

ANSWERS: 39. decide, 40. extended, 41. exposure, 42. concrete, 43. academic, 44. brain, 45. dashboard, 46. exposed, 47. cardboard

48. dy____cs of economy *n.* the branch of mechanics that deals with the motion of bodies under the action of forces, including the particular case in which a body remains at rest; forces that produce or stimulate movement, growth, or change
49. duty as an ed____or *n.* a person who teaches or educates people
50. wall s__d *n.* a small object with a head on one end and a sharp point on the other, used for fastening clothing, leather, or other materials; an animal used for breeding, typically a male horse or bull that is of superior breeding stock; (verb) to decorate or adorn with studs; to provide with studs for support
51. cell and molecular bi____y *n.* the scientific study of life and the natural processes of living things
52. min____ing discovery *adj.* extremely impressive in a way that affects someone's mind or emotions
53. he____t with a microphone *n.* a pair of headphones, typically with a microphone attached
54. complex bio____al *adj.* relating to the chemical processes and substances that occur within living organisms
55. elevate edu____al standards *adj.* relating to education or providing knowledge or instruction
56. scientific jo____l *n.* a newspaper or magazine specialized in a specific topic or profession

ANSWERS: 48. dynamics, 49. educator, 50. stud, 51. biology, 52. mind-blowing, 53. headset, 54. biochemical, 55. educational, 56. journal

57. a di____l watch *adj.* processing or storing information as a succession of 1 and 0 to show that a signal is present or missing; relating to the use of computer technology, especially the internet
58. sma_____ne addict *n.* a mobile phone that functions as a computer and connects to the Internet
59. less fo_____te person *adj.* having good luck or lucky
60. fa__a reserve *n.* the animal life of a particular region, habitat, or geological period
61. se_____ss device connectivity *adj.* without spaces or breaks between one part and the next
62. variety of ma___e life *adj.* relating to the sea and the creatures and plants that live there
63. co_____ct a 3D image *v.* to build or create something; to assemble or combine different parts to form something whole
64. high imp_____ce *n.* the quality of being important and worthy of note
65. dy_____cs of group *n.* the branch of mechanics that deals with the motion of bodies under the action of forces, including the particular case in which a body remains at rest; forces that produce or stimulate movement, growth, or change
66. ex_____e our options *v.* to travel to or penetrate an area or a country to learn about it; to thoroughly examine a subject or a possibility to learn more about it

ANSWERS: 57. digital, 58. smartphone, 59. fortunate, 60. fauna, 61. seamless, 62. marine, 63. construct, 64. importance, 65. dynamics, 66. explore

67. ex___e rebellion *v.* to make someone feel suddenly enthusiastic or eager
68. a polar exp_____on *n.* a journey or voyage for a specific purpose
69. co_____ct a dam *v.* to build or create something; to assemble or combine different parts to form something whole
70. int_____ve experience *adj.* acting reciprocally; mutually responsive
71. ob_____e wildlife *v.* to watch or notice something carefully, often to gather information or insights; to take note of something or someone; to celebrate or commemorate a special event or occasion
72. noise reduction he_____t *n.* a pair of headphones, typically with a microphone attached
73. di_____l electronic signature *adj.* processing or storing information as a succession of 1 and 0 to show that a signal is present or missing; relating to the use of computer technology, especially the internet
74. de_____e on a course of action *v.* to make up someone's mind about something; to come to a conclusion or judgment after considering options
75. co_____e augmented reality *v.* to join or merge to form a single thing or group
76. 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

ANSWERS: 67. excite, 68. expedition, 69. construct, 70. interactive, 71. observe, 72. headset, 73. digital, 74. decide, 75. combine, 76. develop

77. qua_____ve analysis *adj.* relating to or involving qualities, such as properties, characteristics, or features, rather than quantities or numbers, often used to describe research or analysis that focuses on subjective or non-measurable factors
78. a test pi__t *n.* a person who flies an aircraft, especially as a job; a person qualified to guide ships through a difficult area of water
79. a re_____ic goal *adj.* having or showing a sensible and practical idea that is possible to achieve
80. art cr____c *n.* someone who expresses opinions about the quality of books, music, etc.
81. a seafaring na____n *n.* a large organized community of people living in a particular country or region and having a particular culture
82. ge_____hy class *n.* a field of science devoted to the study of the lands, features, inhabitants, and phenomena of the Earth
83. an arrival pl_____m *n.* the raised flat space close to the track at a train station where passengers get on or off the train; (technology) a computational or digital environment in which a piece of software is executed
84. eve_____ly succeed *adv.* finally, particularly after a long time or a lot of struggle, complications, and so on
85. pi__t production *n.* a person who flies an aircraft, especially as a job; a person qualified to guide ships through a difficult area of water

ANSWERS: 77. qualitative, 78. pilot, 79. realistic, 80. critic, 81. nation, 82. geography, 83. platform, 84. eventually, 85. pilot

86. lo___e a tumor *v.* to specify or determine the exact position of someone or something
87. di____s solutions *v.* to talk about or examine in detail through conversation or debate; to exchange ideas, opinions, or information on a particular topic
88. completely im____e the ingredient *v.* to become fully involved in a particular activity; to dip or submerge in a liquid, especially so that they or it are entirely covered
89. access to public tr____rt *n.* a system for moving people or products from one location to another using automobiles, roads, and so on
90. pro____on of civilization *n.* the act or process of changing to the next stage or phase or moving forward
91. fou____on course *n.* the lowest load-bearing part of a building, typically below ground level; a fundamental basis or principle upon which something is built or established; an organization that provides funding or support for charitable or educational purposes
92. a vi____l image *adj.* being actually such in almost every respect; existing in essence or effect though not in actual fact
93. unsatisfied de___e *n.* a strong feeling of wanting to have or do something
94. ac____te measurements *adj.* correct and exact in all details
95. ex____d to radiation *adj.* having no protection or shield from something, such as bad weather, attack, or criticism

ANSWERS: 86. locate, 87. discuss, 88. immerse, 89. transport, 90. progression, 91. foundation, 92. virtual, 93. desire, 94. accurate, 95. exposed

96. permanent br__n damage *n.* the organ inside the head that is responsible for one's movement, thought, memory, and feeling
97. career tra_____ry *n.* the curved path followed by an object moving through space
98. fleshly de___e *n.* a strong feeling of wanting to have or do something
99. ob_____e a tradition *v.* to watch or notice something carefully, often to gather information or insights; to take note of something or someone; to celebrate or commemorate a special event or occasion
100. the ma_____m speed *adj.* the largest or greatest amount or value attainable or attained
101. fabric of the je___y *n.* a knitted garment typically made of wool or cotton, worn as a shirt or pullover
102. tr_____rt facilities *n.* a system for moving people or products from one location to another using automobiles, roads, and so on
103. an academic cur_____um *n.* a series of subjects comprising a course of study in a school, college, etc.
104. business ed_____or *n.* a person who teaches or educates people
105. a cur_____um vitae *n.* a series of subjects comprising a course of study in a school, college, etc.
106. a man of imp_____ce *n.* the quality of being important and worthy of note
107. en___e in environmental protection activities *v.* to attract and keep someone's attention and interest; to participate in or obtain services of something

ANSWERS: 96. brain, 97. trajectory, 98. desire, 99. observe, 100. maximum, 101. jersey, 102. transport, 103. curriculum, 104. educator, 105. curriculum, 106. importance, 107. engage

108. cut_____dge molecular biology *adj.* being at the forefront of a particular field or development; (noun) the latest or most advanced stage in the development of a specific type of work or activity
109. eve_____ly become obsolete *adv.* finally, particularly after a long time or a lot of struggle, complications, and so on
110. severe cr____c *n.* someone who expresses opinions about the quality of books, music, etc.
111. em_____ng country *adj.* starting to exist, mature, or become well-known
112. poor te_____rk *n.* the combined action of a group of people working together towards a common goal
113. ex_____e the world *v.* to travel to or penetrate an area or a country to learn about it; to thoroughly examine a subject or a possibility to learn more about it
114. the ex_____re of a fraud *n.* the state of being in a particular situation or place where there is no protection from or guarantee to something harmful; the disclosure of something secret
115. fo_____te situation *adj.* having good luck or lucky
116. an ad_____te of disarmament *n.* a person who supports or suggests an idea, development, or way of doing something
117. lo____e a missing pet *v.* to specify or determine the exact position of someone or something

ANSWERS: 108. cutting-edge, 109. eventually, 110. critic, 111. emerging, 112. teamwork, 113. explore, 114. exposure, 115. fortunate, 116. advocate, 117. locate

118. ad____on of vectors *n.* the act or process of adding something to something else; the process of adding numbers
119. aircraft wr____t *n.* a person who makes or repairs something, especially a craftsman or artisan who works with wood or metal
120. m_r a proper relationship *v.* to damage or spoil the appearance or surface of something
121. get into the lu____y car market *n.* a state of great comfort or sophistication, mainly provided by expensive and beautiful things
122. edu____al system *adj.* relating to education or providing knowledge or instruction
123. in____n civilians *v.* to put someone in prison, especially for political or military reasons; (noun) a student or trainee who works, sometimes for free, to get work experience or to fulfill qualification criteria
124. hold my breath und____er *adv.* below or under the surface of the water
125. a car-wr____t *n.* a person who makes or repairs something, especially a craftsman or artisan who works with wood or metal
126. chemical ad____on *n.* the act or process of adding something to something else; the process of adding numbers
127. class obs____on day *n.* the act or activity of carefully examining or monitoring something or someone
128. evolutionary bi____y *n.* the scientific study of life and the natural processes of living things

ANSWERS: 118. addition, 119. wright, 120. mar, 121. luxury, 122. educational, 123. intern, 124. underwater, 125. wright, 126. addition, 127. observation, 128. biology

129. exp_____on team *n.* a journey or voyage for a specific purpose
130. col_____te with the police *v.* to work with someone else to produce or achieve something
131. as___s a tax of 10 pounds *v.* to judge or decide the nature or quality of someone or something
132. ma___e insurance *adj.* relating to the sea and the creatures and plants that live there
133. co_____e chemically with another substance *v.* to join or merge to form a single thing or group
134. a bold hyp_____is *n.* a proposed idea or explanation that is based on a few known facts but has not yet been proven to be true or accurate
135. pr_____y education *adj.* first or highest in rank, order, or importance; most fundamental or essential; pertaining to the initial or introductory stage of something, such as a school year or election cycle
136. obs_____on instrument *n.* the act or activity of carefully examining or monitoring something or someone
137. und_____ted data *adj.* not adequately or proportionately represented, often in terms of a particular group, population, or perspective being excluded or marginalized
138. boys in the twelfth gr___e *n.* a particular level of quality, size, importance, etc.
139. as___s the quality *v.* to judge or decide the nature or quality of someone or something

ANSWERS: 129. expedition, 130. collaborate, 131. assess, 132. marine, 133. combine, 134. hypothesis, 135. primary, 136. observation, 137. underrepresented, 138. grade, 139. assess

140. enable se_____ss access *adj.* without spaces or breaks between one part and the next
141. feel und_____ted *adj.* not adequately or proportionately represented, often in terms of a particular group, population, or perspective being excluded or marginalized
142. em_____r my life *v.* to give someone the power or authority to do something
143. int_____on among human beings *n.* the act of connecting with someone, mainly when working, playing, or spending time with them
144. m_r the reputation *v.* to damage or spoil the appearance or surface of something
145. a tra_____ry missile *n.* the curved path followed by an object moving through space
146. the great di_____ry of the century *n.* the act or process of finding information, a place, or an object, or learning about something that was previously not known
147. 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
148. re____n information *v.* to keep or continue to possess or maintain something
149. a digital pl_____rm for enterprise *n.* the raised flat space close to the track at a train station where passengers get on or off the train; (technology) a computational or digital environment in which a piece of software is executed

ANSWERS: 140. seamless, 141. underrepresented, 142. empower, 143. interaction, 144. mar, 145. trajectory, 146. discovery, 147. concrete, 148. retain, 149. platform

150. an ac____ic discussion *adj.* associated with schools, colleges, and universities, especially studying and thinking, not with practical skills
151. public education ad____tes *n.* a person who supports or suggests an idea, development, or way of doing something
152. na____n-state *n.* a large organized community of people living in a particular country or region and having a particular culture
153. em____r the secretary to do the same *v.* to give someone the power or authority to do something
154. a scientific di____ry *n.* the act or process of finding information, a place, or an object, or learning about something that was previously not known
155. an int____ve device *adj.* acting reciprocally; mutually responsive
156. 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
157. psy____gy experiment *n.* the scientific study of mind and behavior
158. lu____y hotel *n.* a state of great comfort or sophistication, mainly provided by expensive and beautiful things
159. students at all gr__e levels *n.* a particular level of quality, size, importance, etc.

ANSWERS: 150. academic, 151. advocate, 152. nation, 153. empower, 154. discovery, 155. interactive, 156. develop, 157. psychology, 158. luxury, 159. grade

160. ine_____ve option

adj. costing little; having a low price

161. a min_____ing horror story

adj. extremely impressive in a way that affects someone's mind or emotions

162. test my hyp_____is

n. a proposed idea or explanation that is based on a few known facts but has not yet been proven to be true or accurate

163. psy_____gy of crowd

n. the scientific study of mind and behavior

ANSWERS: 160. inexpensive, 161. mind-blowing, 162. hypothesis, 163. psychology

Session 3: Fill in the Blanks

1. The _____ exercised great care in landing.
n. a person who flies an aircraft, especially as a job; a person qualified to guide ships through a difficult area of water
2. The _____ to the Amazon jungle was both exciting and challenging.
n. a journey or voyage for a specific purpose
3. The new video game has an _____ storyline that allows players to make choices that affect the game's outcome.
adj. acting reciprocally; mutually responsive
4. She was a skilled _____ able to craft intricate pieces of furniture.
n. a person who makes or repairs something, especially a craftsman or artisan who works with wood or metal
5. The _____ cause of the accident was due to the icy road conditions.
adj. first or highest in rank, order, or importance; most fundamental or essential; pertaining to the initial or introductory stage of something, such as a school year or election cycle
6. The corporation _____ dominated the entire tobacco business.
adv. finally, particularly after a long time or a lot of struggle, complications, and so on
7. Her research team made an important _____.
n. the act or process of finding information, a place, or an object, or learning about something that was previously not known

ANSWERS: 1. pilot, 2. expedition, 3. interactive, 4. wright, 5. primary, 6. eventually, 7. discovery

8. This evidence supports the big-bang _____.
- n.* a proposed idea or explanation that is based on a few known facts but has not yet been proven to be true or accurate
9. The Amazon rainforest is home to a diverse _____ of plant species.
- n.* all the plants in a particular region or time, typically regarded as a whole
10. I always wear my favorite basketball player's _____ to the games.
- n.* a knitted garment typically made of wool or cotton, worn as a shirt or pullover
11. In _____ private corporations provide healthcare services.
- n.* the act or process of adding something to something else; the process of adding numbers
12. His anti-_____ practices were quite strict.
- n.* a state of great comfort or sophistication, mainly provided by expensive and beautiful things
13. She did well on her _____ exam.
- n.* a field of science devoted to the study of the lands, features, inhabitants, and phenomena of the Earth
14. Harmonious _____ is essential to the success of this project.
- n.* the combined action of a group of people working together towards a common goal
15. The navy _____ ships of defeated nations.
- v.* to put someone in prison, especially for political or military reasons; (noun) a student or trainee who works, sometimes for free, to get work experience or to fulfill qualification criteria

ANSWERS: 8. hypothesis, 9. flora, 10. jersey, 11. addition, 12. luxury, 13. geography, 14. teamwork, 15. interned

16. The museum offers a variety of _____ programs for children and adults.

adj. relating to education or providing knowledge or instruction

17. The _____ airport runways may accommodate larger jets.

adj. longer than usual or anticipated

18. Her remarks _____ the debate.

v. to mistake one thing for another; to make somebody hard to understand

19. The relationship _____ between the two countries were complex and constantly changing.

n. the branch of mechanics that deals with the motion of bodies under the action of forces, including the particular case in which a body remains at rest; forces that produce or stimulate movement, growth, or change

20. The _____ effects of the psychedelic drug were unlike anything he had ever experienced.

adj. extremely impressive in a way that affects someone's mind or emotions

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

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

22. The _____ of the building was cracked and needed to be repaired.

n. the lowest load-bearing part of a building, typically below ground level; a fundamental basis or principle upon which something is built or established; an organization that provides funding or support for charitable or educational purposes

ANSWERS: 16. educational, 17. extended, 18. confused, 19. dynamics, 20. mind-blowing, 21. Advocates, 22. foundation

23. The service was _____ and the food was quite delicious.

adj. without spaces or breaks between one part and the next

24. Computers help people _____ specific memories.

v. to keep or continue to possess or maintain something

25. Advocates for legal reform hear less harsh words from their _____.

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

26. The long _____ to the air tarnished the antique tableware.

n. the state of being in a particular situation or place where there is no protection from or guarantee to something harmful; the disclosure of something secret

27. The speaker mounted the _____ and started to speak.

n. the raised flat space close to the track at a train station where passengers get on or off the train; (technology) a computational or digital environment in which a piece of software is executed

28. He is good at swimming _____.

adv. below or under the surface of the water

29. _____ factors like soil quality and topography can impact the success of farming.

adj. relating to or resulting from non-living things, such as rocks, minerals, and other inorganic matter; not caused by living organisms

30. The national park is home to a diverse _____ of animal species.

n. the animal life of a particular region, habitat, or geological period

ANSWERS: 23. seamless, 24. retain, 25. critics, 26. exposure, 27. platform, 28. underwater, 29. Abiotic, 30. fauna

31. He was pretty _____ to pass the exam.

adj. having good luck or lucky

32. The _____ of Japan is known for its unique culture and advanced technology.

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

33. The physician is reading the _____ related to medicine

n. a newspaper or magazine specialized in a specific topic or profession

34. Hydrogen and oxygen _____ to form water.

v. to join or merge to form a single thing or group

35. The management must _____ strategies to increase office security.

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

36. She agreed to _____ with him in creating new artwork.

v. to work with someone else to produce or achieve something

37. He wants to _____ ownership of the abandoned property.

v. to assert that something is true; to demand or request something as one's own; to lay legal or moral right to something; (noun) a demand or assertion of a right or something that one believes to be true

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

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

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

n. the quality of being important and worthy of note

ANSWERS: 31. fortunate, 32. nation, 33. journals, 34. combine, 35. explore, 36. collaborate, 37. claim, 38. biology, 39. importance

40. We need to _____ the next steps for the project during our meeting tomorrow.
- v. to talk about or examine in detail through conversation or debate; to exchange ideas, opinions, or information on a particular topic
41. It is important to _____ safety procedures in the workplace to prevent accidents.
- v. to watch or notice something carefully, often to gather information or insights; to take note of something or someone; to celebrate or commemorate a special event or occasion
42. Professional game players pay the latest attention to the sound quality of their _____.
- n. a pair of headphones, typically with a microphone attached
43. Many multinational companies are _____ in the reconstruction of that country.
- v. to attract and keep someone's attention and interest; to participate in or obtain services of something
44. She couldn't _____ whether to order the pizza or the pasta for dinner.
- v. to make up someone's mind about something; to come to a conclusion or judgment after considering options
45. I made a _____ box to store my winter clothes in.
- n. a stiff, thick material made from compressed paper pulp used to make boxes and other packaging materials
46. Seals and whales are _____ animals beloved by the people.
- adj. relating to the sea and the creatures and plants that live there
47. _____ technologies have dramatically improved productivity in various industries.
- adj. starting to exist, mature, or become well-known

ANSWERS: 40. discuss, 41. observe, 42. headsets, 43. engaged, 44. decide, 45. cardboard, 46. marine, 47. Emerging

48. The news of her promotion _____ her.
v. to make someone feel suddenly enthusiastic or eager
49. 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
50. A committee was appointed to manage the reorganization of the _____.
n. a series of subjects comprising a course of study in a school, college, etc.
51. She is an _____ with progressive ideas.
n. a person who teaches or educates people
52. The _____ temperature recorded this summer was higher than average.
adj. the largest or greatest amount or value attainable or attained
53. The _____ technology was revolutionary in its field.
adj. being at the forefront of a particular field or development; (noun) the latest or most advanced stage in the development of a specific type of work or activity
54. The restaurant offered delicious food at an _____ price.
adj. costing little; having a low price
55. That story was so _____ and it was scary.
adj. having or showing a sensible and practical idea that is possible to achieve
56. Our company needs to _____ the business impact of climate change.
v. to judge or decide the nature or quality of someone or something

ANSWERS: 48. excited, 49. develop, 50. curriculum, 51. educator, 52. maximum, 53. cutting-edge, 54. inexpensive, 55. realistic, 56. assess

57. _____ communities need more support and resources to achieve equity.
- adj.* not adequately or proportionately represented, often in terms of a particular group, population, or perspective being excluded or marginalized
58. He bought a new _____ to attach the strap to his watch.
- n.* a small object with a head on one end and a sharp point on the other, used for fastening clothing, leather, or other materials; an animal used for breeding, typically a male horse or bull that is of superior breeding stock; (verb) to decorate or adorn with studs; to provide with studs for support
59. She had a master's degree in _____.
- n.* the scientific study of mind and behavior
60. Sensors convert physical phenomena into _____ signals.
- adj.* processing or storing information as a succession of 1 and 0 to show that a signal is present or missing; relating to the use of computer technology, especially the internet
61. Departments may set requirements for a higher _____ point average.
- n.* a particular level of quality, size, importance, etc.
62. In the hospital, she will remain under constant _____.
- n.* the act or activity of carefully examining or monitoring something or someone
63. The company _____ employees to buy low-price items without approval to achieve efficient purchasing.
- v.* to give someone the power or authority to do something
64. The researchers used a _____ approach to analyze their findings.
- adj.* relating to or involving qualities, such as properties, characteristics, or features, rather than quantities or numbers, often used to describe research or analysis that focuses on subjective or non-measurable factors

ANSWERS: 57. Underrepresented, 58. stud, 59. psychology, 60. digital, 61. grade, 62. observation, 63. empowered, 64. qualitative

65. The _____ of the two groups is good for brainstorming.
n. the act of connecting with someone, mainly when working, playing, or spending time with them
66. She is the _____ president of the company.
adj. being actually such in almost every respect; existing in essence or effect though not in actual fact
67. The scratches on the car _____ its otherwise perfect appearance.
v. to damage or spoil the appearance or surface of something
68. 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
69. Internet traffic volumes have increased significantly with the advent of _____.
n. a mobile phone that functions as a computer and connects to the Internet
70. X-rays revealed a small tumor in his _____.
n. the organ inside the head that is responsible for one's movement, thought, memory, and feeling
71. The company has shown an excellent growth _____ over the years.
n. the curved path followed by an object moving through space
72. Low sexual _____ typically correlates with low testosterone levels.
n. a strong feeling of wanting to have or do something

ANSWERS: 65. interaction, 66. virtual, 67. marred, 68. concrete, 69. smartphones, 70. brain, 71. trajectory, 72. desire

73. He noticed that the oil warning light on the _____ of his car had turned on.
n. a control panel set within the central console of a vehicle or small aircraft; a diagram that depicts critical information, typically one that provides a business overview
74. The robot can accurately _____ construction material.
v. to specify or determine the exact position of someone or something
75. _____ research is essential to understanding the complex chemical reactions in living organisms.
adj. relating to the chemical processes and substances that occur within living organisms
76. The company has made great strides in its _____ toward sustainability.
n. the act or process of changing to the next stage or phase or moving forward
77. The official transcript contains _____ academic records.
adj. correct and exact in all details
78. Enhanced rail _____ is crucial for our business.
n. a system for moving people or products from one location to another using automobiles, roads, and so on
79. He _____ himself in his research.
v. to become fully involved in a particular activity; to dip or submerge in a liquid, especially so that they or it are entirely covered
80. An excellent historian must possess an _____ mentality.
adj. associated with schools, colleges, and universities, especially studying and thinking, not with practical skills

ANSWERS: 73. dashboard, 74. locate, 75. Biochemical, 76. progression, 77. accurate, 78. transportation, 79. immersed, 80. academic

81. 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

82. Tech companies often employ _____ ducts and other materials in their office interiors.

adj. having no protection or shield from something, such as bad weather, attack, or criticism

ANSWERS: 81. constructs, 82. exposed