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Alex Gendler: Can you solve the famously difficult green-eyed logic puzzle? | TED Talk

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

All Words

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Session 1: Word List

imprison

v. to confine a person to a prison, a detention facility, or a place of involuntary confinement

synonym: incarcerate, detain, confine

(1) **imprison** illegal immigrant, (2) **imprison** myself within the room

He was **imprisoned** for embezzlement.

mad

adj. insane, especially due to a mental illness; very angry

synonym: crazy, insane, furious

(1) a **mad** person, (2) gets **mad** easily

He was **mad** with joy to see the results.

dictator

n. a political leader who has complete power over a country, especially one who has obtained control by force

synonym: autocrat, tyrant, despot

(1) military **dictator**, (2) a **dictator** with enormous powers

A popular uprising led to the overthrow of the **dictator**.

release

v. to set free or allow to escape from confinement

synonym: free, let go, discharge

(1) **release** a prisoner, (2) **release** CO2 into the air

The animal rights group worked to **release** the dolphins back

into the wild.

toss

v. to throw something carelessly with a light motion

synonym: throw, sway

(1) **toss** a coin, (2) **toss** the bottle into a trash can

It would be best if you **tossed** out all those old magazines.

volcano

n. a mountain or hill, typically conical, having a crater or vent through which lava, rock fragments, hot vapor, and gas are or have been erupted from the earth's crust.

synonym: mount, peak, crater

(1) **volcano** alert level, (2) active **volcano**

The island was formed by a **volcano** millions of years ago.

opaque

adj. not transparent; not allowing light to pass through; not permitting a clear view

synonym: impenetrable, obscure, cloudy

(1) **opaque** material, (2) **opaque** color

The curtains were made of **opaque** fabric that blocked out all light.

communicate

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

synonym: convey, share, transmit

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

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

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

nevertheless

adv. in spite of that; yet

synonym: nonetheless, yet, still

(1) keep working **nevertheless**, (2) **nevertheless**, she persevered

She was tired and hungry, but **nevertheless**, she persevered.

absolute

adj. perfect or complete or to the most considerable degree possible

synonym: complete, infrangible, indisputable

(1) **absolute** loyalty, (2) an **absolute** must

Gandhi had an **absolute** zeal for nonviolence.

certainty

n. the state of being certain

synonym: inevitability, confidence, assurance

(1) scientific **certainty**, (2) reach **certainty** about the theory

Through investigation, his suspicions hardened into **certainty**.

reluctantly

adv. in a way that you are unwilling to do something; with hesitation

synonym: unwillingly, hesitantly, grudgingly

(1) **reluctantly** approve the idea, (2) **reluctantly** leave

He **reluctantly** agreed to go to the party.

incur

v. to suffer from something, usually something negative, such as a loss, cost, or financial burden; to become subject to something as a result of one's actions or conduct

synonym: suffer, acquire, accumulate

(1) **incur** a \$50 fine for, (2) **incur** a great danger

I didn't mean to **incur** such a large debt on my credit card.

wrath

n. extreme anger

synonym: fury, irritation, anger

(1) **wrath** of God, (2) a high person's **wrath**

He finally exploded with **wrath** due to the team's repeated failures.

suspicious

adj. making you feel that someone has done something wrong, illegal, or dishonest without any evidence

synonym: fishy, questionable, doubtful

(1) report **suspicious** activity, (2) a person who is

suspicious

We carefully examine each **suspicious** transaction report we receive.

reassure

v. to cause someone to feel sure; to give or restore confidence

synonym: comfort, soothe, bolster

(1) **reassure** anxious patients, (2) **reassure** market

The pilot tried to **reassure** the customers that the planes were safe.

outsmart

v. to defeat or best someone through cleverness, cunning, or intelligence, to prevail over someone by being smarter or more strategic

synonym: outwit, beat, surpass

(1) **outsmart** the competition, (2) **outsmart** a conspiracy

He could **outsmart** his opponents with his quick thinking and strategic planning.

arbitrary

adj. based on chance, or individual whim rather than any reason

synonym: autocratic, dictatorial, whimsical

(1) **arbitrary** size and shape, (2) the **arbitrary** rule of a dictator

He collected data to avoid **arbitrary** decisions.

simplify

v. to make something more straightforward, more understandable, or easier to do

synonym: streamline, clarify, elucidate

(1) **simplify** my life, (2) **simplify** the process

Please **simplify** your explanation for the children.

conclude

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

synonym: complete, finish, decide

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

We **concluded** a cease-fire.

refer

v. to direct someone's attention, thoughts, or questions to another source or person; to mention, cite, or allude to something as evidence or support

synonym : cite, allude, mention

(1) **refer** to a book, (2) **refer** to a map

Please **refer** to the instruction manual for further assistance.

simultaneously

adv. at the same time

synonym : concurrently, coincidentally, together

(1) **simultaneously** affected, (2) take several inputs

simultaneously

Two students answered the teacher's question

simultaneously.

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.

induct

v. to formally admit someone to a job or position of authority; to officially introduce someone to an organization or group, or beliefs or ideas

synonym : enlist, recruit, conscript

(1) **induct** them into military service, (2) **induct** a clergyperson to a benefice

We were **inducted** into the honor society.

concept

n. an idea or principle associated with something abstract

synonym : idea, notion, vision

(1) learn new **concepts**, (2) **concept** car

One such rapidly growing **concept** is quantum cryptography.

philosophy

n. the study of general and fundamental questions, such as those about existence, reason, knowledge, values, mind

synonym: doctrine, attitude, creed

(1) **philosophy** of education, (2) western **philosophy**

Ethics is a branch of **philosophy**.

spare

adj. additional to what is necessary for ordinary use; (verb) to give time, money, space, etc. to someone

synonym: extra, excess, (verb) afford

(1) **spare** parts, (2) **spare** cost

I made plans to spend my **spare** time beneficially.

involve

v. to include or affect someone or something as a necessary part of something else

synonym: implicate, include, engage

(1) **involve** a lot of paperwork, (2) **involve** a high degree of risk

The investigation **involves** several government agencies and is expected to take several months.

headstart

n. an advantage granted or gained at the beginning of something, such as a competition or race

synonym: advantage

(1) have a good **headstart**, (2) **headstart** in that market

The horse was able to get a **headstart**.

Session 2: Spelling

- | | |
|---------------------------------|--|
| 1. western phi_____hy | <i>n.</i> the study of general and fundamental questions, such as those about existence, reason, knowledge, values, mind |
| 2. he_____rt in that market | <i>n.</i> an advantage granted or gained at the beginning of something, such as a competition or race |
| 3. phi_____hy of education | <i>n.</i> the study of general and fundamental questions, such as those about existence, reason, knowledge, values, mind |
| 4. re_____re market | <i>v.</i> to cause someone to feel sure; to give or restore confidence |
| 5. wr__h of God | <i>n.</i> extreme anger |
| 6. rel_____ly leave | <i>adv.</i> in a way that you are unwilling to do something; with hesitation |
| 7. a person who is sus_____us | <i>adj.</i> making you feel that someone has done something wrong, illegal, or dishonest without any evidence |
| 8. re_____e a prisoner | <i>v.</i> to set free or allow to escape from confinement |
| 9. sim_____sly affected | <i>adv.</i> at the same time |
| 10. nev_____ess, she persevered | <i>adv.</i> in spite of that; yet |
| 11. in_____e a lot of paperwork | <i>v.</i> to include or affect someone or something as a necessary part of something else |

ANSWERS: 1. philosophy, 2. headstart, 3. philosophy, 4. reassure, 5. wrath, 6. reluctantly, 7. suspicious, 8. release, 9. simultaneously, 10. nevertheless, 11. involve

12. im_____on illegal immigrant *v.* to confine a person to a prison, a detention facility, or a place of involuntary confinement
13. ab_____te loyalty *adj.* perfect or complete or to the most considerable degree possible
14. scientific ce_____ty *n.* the state of being certain
15. have a good he_____rt *n.* an advantage granted or gained at the beginning of something, such as a competition or race
16. sp__e cost *adj.* additional to what is necessary for ordinary use; (verb) to give time, money, space, etc. to someone
17. op_____e color *adj.* not transparent; not allowing light to pass through; not permitting a clear view
18. t__s a coin *v.* to throw something carelessly with a light motion
19. a high person's wr__h *n.* extreme anger
20. co_____de a meeting *v.* to come to an end or close; to reach a judgment or opinion by reasoning
21. co_____de that he is healthy *v.* to come to an end or close; to reach a judgment or opinion by reasoning
22. rel_____ly approve the idea *adv.* in a way that you are unwilling to do something; with hesitation
23. re__r to a map *v.* to direct someone's attention, thoughts, or questions to another source or person; to mention, cite, or allude to something as evidence or support

ANSWERS: 12. imprison, 13. absolute, 14. certainty, 15. headstart, 16. spare, 17. opaque, 18. toss, 19. wrath, 20. conclude, 21. conclude, 22. reluctantly, 23. refer

24. re_____re anxious patients *v.* to cause someone to feel sure; to give or restore confidence
25. si_____fy the process *v.* to make something more straightforward, more understandable, or easier to do
26. 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
27. in__r a great danger *v.* to suffer from something, usually something negative, such as a loss, cost, or financial burden; to become subject to something as a result of one's actions or conduct
28. military di_____or *n.* a political leader who has complete power over a country, especially one who has obtained control by force
29. sp__e parts *adj.* additional to what is necessary for ordinary use; (verb) to give time, money, space, etc. to someone
30. in___t them into military service *v.* to formally admit someone to a job or position of authority; to officially introduce someone to an organization or group, or beliefs or ideas
31. op___e material *adj.* not transparent; not allowing light to pass through; not permitting a clear view

ANSWERS: 24. reassure, 25. simplify, 26. process, 27. incur, 28. dictator, 29. spare, 30. induct, 31. opaque

32. in___t a clergyperson to a benefice *v.* to formally admit someone to a job or position of authority; to officially introduce someone to an organization or group, or beliefs or ideas
33. a di_____or with enormous powers *n.* a political leader who has complete power over a country, especially one who has obtained control by force
34. in_____e a high degree of risk *v.* to include or affect someone or something as a necessary part of something else
35. ou_____rt a conspiracy *v.* to defeat or best someone through cleverness, cunning, or intelligence, to prevail over someone by being smarter or more strategic
36. t__s the bottle into a trash can *v.* to throw something carelessly with a light motion
37. com_____te his anxieties to the psychiatrist *v.* to share or exchange information with others by speaking, writing, moving your body, or using other signals
38. a m_d person *adj.* insane, especially due to a mental illness; very angry
39. ar_____ry size and shape *adj.* based on chance, or individual whim rather than any reason
40. re_____e CO2 into the air *v.* to set free or allow to escape from confinement
41. vo_____o alert level *n.* a mountain or hill, typically conical, having a crater or vent through which lava, rock fragments, hot vapor, and gas are or have been erupted from the earth's crust.

ANSWERS: 32. induct, 33. dictator, 34. involve, 35. outsmart, 36. toss, 37. communicate, 38. mad, 39. arbitrary, 40. release, 41. volcano

42. 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
43. com_____te well with my advisor *v.* to share or exchange information with others by speaking, writing, moving your body, or using other signals
44. the ar_____ry rule of a dictator *adj.* based on chance, or individual whim rather than any reason
45. re__r to a book *v.* to direct someone's attention, thoughts, or questions to another source or person; to mention, cite, or allude to something as evidence or support
46. in__r a \$50 fine for *v.* to suffer from something, usually something negative, such as a loss, cost, or financial burden; to become subject to something as a result of one's actions or conduct
47. report sus_____us activity *adj.* making you feel that someone has done something wrong, illegal, or dishonest without any evidence
48. co_____t car *n.* an idea or principle associated with something abstract
49. gets m_d easily *adj.* insane, especially due to a mental illness; very angry
50. im_____on myself within the room *v.* to confine a person to a prison, a detention facility, or a place of involuntary confinement

ANSWERS: 42. process, 43. communicate, 44. arbitrary, 45. refer, 46. incur, 47. suspicious, 48. concept, 49. mad, 50. imprison

51. learn new co_____ts *n.* an idea or principle associated with something abstract
52. keep working nev_____ess *adv.* in spite of that; yet
53. ou_____rt the competition *v.* to defeat or best someone through cleverness, cunning, or intelligence, to prevail over someone by being smarter or more strategic
54. an ab_____te must *adj.* perfect or complete or to the most considerable degree possible
55. active vo_____o *n.* a mountain or hill, typically conical, having a crater or vent through which lava, rock fragments, hot vapor, and gas are or have been erupted from the earth's crust.
56. reach ce_____ty about the theory *n.* the state of being certain
57. take several inputs sim_____sly *adv.* at the same time
58. si_____fy my life *v.* to make something more straightforward, more understandable, or easier to do

ANSWERS: 51. concept, 52. nevertheless, 53. outsmart, 54. absolute, 55. volcano, 56. certainty, 57. simultaneously, 58. simplify

Session 3: Fill in the Blanks

1. 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

2. Gandhi had an _____ zeal for nonviolence.
adj. perfect or complete or to the most considerable degree possible

3. The island was formed by a _____ millions of years ago.
n. a mountain or hill, typically conical, having a crater or vent through which lava, rock fragments, hot vapor, and gas are or have been erupted from the earth's crust.

4. He finally exploded with _____ due to the team's repeated failures.
n. extreme anger

5. She was tired and hungry, but _____ she persevered.
adv. in spite of that; yet

6. It would be best if you _____ out all those old magazines.
v. to throw something carelessly with a light motion

7. He could _____ his opponents with his quick thinking and strategic planning.
v. to defeat or best someone through cleverness, cunning, or intelligence, to prevail over someone by being smarter or more strategic

ANSWERS: 1. process, 2. absolute, 3. volcano, 4. wrath, 5. nevertheless, 6. tossed, 7. outsmart

8. Dolphins use sound to _____ with each other.
- v. to share or exchange information with others by speaking, writing, moving your body, or using other signals
9. He _____ agreed to go to the party.
- adv.* in a way that you are unwilling to do something; with hesitation
10. We were _____ into the honor society.
- v. to formally admit someone to a job or position of authority; to officially introduce someone to an organization or group, or beliefs or ideas
11. I didn't mean to _____ such a large debt on my credit card.
- v. to suffer from something, usually something negative, such as a loss, cost, or financial burden; to become subject to something as a result of one's actions or conduct
12. I made plans to spend my _____ time beneficially.
- adj.* additional to what is necessary for ordinary use; (verb) to give time, money, space, etc. to someone
13. The horse was able to get a _____.
- n.* an advantage granted or gained at the beginning of something, such as a competition or race
14. The animal rights group worked to _____ the dolphins back into the wild.
- v. to set free or allow to escape from confinement
15. The pilot tried to _____ the customers that the planes were safe.
- v. to cause someone to feel sure; to give or restore confidence

ANSWERS: 8. communicate, 9. reluctantly, 10. inducted, 11. incur, 12. spare, 13. headstart, 14. release, 15. reassure

16. Through investigation, his suspicions hardened into _____.
n. the state of being certain
17. A popular uprising led to the overthrow of the _____.
n. a political leader who has complete power over a country, especially one who has obtained control by force
18. We carefully examine each _____ transaction report we receive.
adj. making you feel that someone has done something wrong, illegal, or dishonest without any evidence
19. The curtains were made of _____ fabric that blocked out all light.
adj. not transparent; not allowing light to pass through; not permitting a clear view
20. He collected data to avoid _____ decisions.
adj. based on chance, or individual whim rather than any reason
21. We _____ a cease-fire.
v. to come to an end or close; to reach a judgment or opinion by reasoning
22. Please _____ to the instruction manual for further assistance.
v. to direct someone's attention, thoughts, or questions to another source or person; to mention, cite, or allude to something as evidence or support
23. One such rapidly growing _____ is quantum cryptography.
n. an idea or principle associated with something abstract
24. He was ____ with joy to see the results.
adj. insane, especially due to a mental illness; very angry

ANSWERS: 16. certainty, 17. dictator, 18. suspicious, 19. opaque, 20. arbitrary, 21. concluded, 22. refer, 23. concept, 24. mad

25. Ethics is a branch of _____.

- n.* the study of general and fundamental questions, such as those about existence, reason, knowledge, values, mind

26. The investigation _____ several government agencies and is expected to take several months.

- v.* to include or affect someone or something as a necessary part of something else

27. Two students answered the teacher's question _____.

- adv.* at the same time

28. Please _____ your explanation for the children.

- v.* to make something more straightforward, more understandable, or easier to do

29. He was _____ for embezzlement.

- v.* to confine a person to a prison, a detention facility, or a place of involuntary confinement

ANSWERS: 25. philosophy, 26. involves, 27. simultaneously, 28. simplify, 29. imprisoned