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Vocabulary Builder Reference from...

Kanawat Senanan: How computer memory works | TED Talk

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

Advanced Words Only

IMPORTANT

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Session 1: Word List

- ram** *v.* to strike or push forcefully, often to cause damage; to batter or break open a door or barrier using brute force
synonym : crash, collide, slam
(1) **ram** the door open, (2) **ram** into the ice
The car **rammed** into the wall, causing significant damage.
- dram** *n.* a small unit of weight used for measuring liquids, particularly whiskey and other alcoholic beverages
synonym : drachm, whisky, scotch
(1) have not one **dram** of learning, (2) scotch **dram**
He poured himself a **dram** of whiskey to relax after a long day at work.
- transistor** *n.* a semiconductor device that can be used to amplify or switch electronic signals and power which is an essential component in modern electronics
synonym : semiconductor, microchip, circuit
(1) **transistor** radio, (2) **transistor** circuit
The invention of the **transistor** revolutionized the field of electronics.
- capacitor** *n.* a device that is placed inside electronic equipment such as televisions and radios and that stores electrical

charge

synonym : condenser

(1) **capacitor** load, (2) AC **capacitor**

Hundreds of ceramic **capacitors** are used in a single smartphone.

recharge

v. to restore the energy or power of something by supplying it with more energy or power; to refresh or renew oneself by rest or sleep

synonym : renew, refresh, replenish

(1) **recharge** brain and body, (2) **recharge** energy

He needed to **recharge** his phone before the meeting.

nanosecond

n. one thousand millionth or billionth (= 0.000,000,001) of a second

(1) **nanosecond** response, (2) **nanosecond** laser pulse

The processor performs calculations on the **nanosecond** timescale.

interlocking

adj. fitting or locking together in a way that makes a continuous and secure whole

synonym : connected, linked, joined

(1) **interlocking** braid, (2) **interlocking** mechanism

The **interlocking** puzzle pieces were difficult to separate.

degrade

v. to make something worse, especially in quality; to show or treat someone in a way that makes them seem no value and do not have the respect or reasonable opinion of others

synonym : demean, disgrace, impair

(1) **degrade** his public image, (2) **degrade** environmental quality

You should not **degrade** yourself by allowing them to use you.

demagnetize

v. to remove or reduce the magnetic properties of an object, making it lose its magnetic charge or ability to attract magnetically

synonym : degauss, demag

(1) **demagnetize** a credit card, (2) **demagnetize** a keycard

The strong magnetic fields in the MRI scanner tend to **demagnetize** certain types of metals.

corrode

v. to destroy or eat away slowly by chemical action; to gradually wear away, weaken, or disintegrate over time

synonym : erode, rust, eat away

(1) **corrode** steel drums, (2) **corrode** pipes

The saltwater can **corrode** metal over time if not properly maintained.

immortality

n. the state or quality of being able to live or last forever

synonym : endless life, timelessness, agelessness

(1) the **immortality** of the soul, (2) achieve **immortality**

Many people believe in the concept of **immortality** and an afterlife.

Session 2: Spelling

- | | | |
|-----------------------------------|----|---|
| 1. de_____e environmental quality | v. | to make something worse, especially in quality; to show or treat someone in a way that makes them seem no value and do not have the respect or reasonable opinion of others |
| 2. nan_____nd laser pulse | n. | one thousand millionth or billionth (= 0.000,000,001) of a second |
| 3. re_____ge energy | v. | to restore the energy or power of something by supplying it with more energy or power; to refresh or renew oneself by rest or sleep |
| 4. r_m the door open | v. | to strike or push forcefully, often to cause damage; to batter or break open a door or barrier using brute force |
| 5. nan_____nd response | n. | one thousand millionth or billionth (= 0.000,000,001) of a second |
| 6. co_____e pipes | v. | to destroy or eat away slowly by chemical action; to gradually wear away, weaken, or disintegrate over time |
| 7. de_____e his public image | v. | to make something worse, especially in quality; to show or treat someone in a way that makes them seem no value and do not have the respect or reasonable opinion of others |
| 8. tra_____or radio | n. | a semiconductor device that can be used to amplify or switch electronic signals and power which is an essential component in modern electronics |

ANSWERS: 1. degrade, 2. nanosecond, 3. recharge, 4. ram, 5. nanosecond, 6. corrode, 7. degrade, 8. transistor

9. AC ca_____or *n.* a device that is placed inside electronic equipment such as televisions and radios and that stores electrical charge
10. scotch d__m *n.* a small unit of weight used for measuring liquids, particularly whiskey and other alcoholic beverages
11. dem_____ze a keycard *v.* to remove or reduce the magnetic properties of an object, making it lose its magnetic charge or ability to attract magnetically
12. int_____ing braid *adj.* fitting or locking together in a way that makes a continuous and secure whole
13. tra_____or circuit *n.* a semiconductor device that can be used to amplify or switch electronic signals and power which is an essential component in modern electronics
14. dem_____ze a credit card *v.* to remove or reduce the magnetic properties of an object, making it lose its magnetic charge or ability to attract magnetically
15. r_m into the ice *v.* to strike or push forcefully, often to cause damage; to batter or break open a door or barrier using brute force
16. re_____ge brain and body *v.* to restore the energy or power of something by supplying it with more energy or power; to refresh or renew oneself by rest or sleep
17. int_____ing mechanism *adj.* fitting or locking together in a way that makes a continuous and secure whole

ANSWERS: 9. capacitor, 10. dram, 11. demagnetize, 12. interlocking, 13. transistor, 14. demagnetize, 15. ram, 16. recharge, 17. interlocking

18. have not one d__m of learning *n.* a small unit of weight used for measuring liquids, particularly whiskey and other alcoholic beverages
19. co_____e steel drums *v.* to destroy or eat away slowly by chemical action; to gradually wear away, weaken, or disintegrate over time
20. achieve imm_____ty *n.* the state or quality of being able to live or last forever
21. ca_____or load *n.* a device that is placed inside electronic equipment such as televisions and radios and that stores electrical charge
22. the imm_____ty of the soul *n.* the state or quality of being able to live or last forever

ANSWERS: 18. dram, 19. corrode, 20. immortality, 21. capacitor, 22. immortality

Session 3: Fill in the Blanks

1. The invention of the _____ revolutionized the field of electronics.
 - n.* a semiconductor device that can be used to amplify or switch electronic signals and power which is an essential component in modern electronics

2. The car _____ into the wall, causing significant damage.
 - v.* to strike or push forcefully, often to cause damage; to batter or break open a door or barrier using brute force

3. Hundreds of ceramic _____ are used in a single smartphone.
 - n.* a device that is placed inside electronic equipment such as televisions and radios and that stores electrical charge

4. The strong magnetic fields in the MRI scanner tend to _____ certain types of metals.
 - v.* to remove or reduce the magnetic properties of an object, making it lose its magnetic charge or ability to attract magnetically

5. He needed to _____ his phone before the meeting.
 - v.* to restore the energy or power of something by supplying it with more energy or power; to refresh or renew oneself by rest or sleep

6. You should not _____ yourself by allowing them to use you.
 - v.* to make something worse, especially in quality; to show or treat someone in a way that makes them seem no value and do not have the respect or reasonable opinion of others

7. Many people believe in the concept of _____ and an afterlife.
 - n.* the state or quality of being able to live or last forever

ANSWERS: 1. transistor, 2. rammed, 3. capacitors, 4. demagnetize, 5. recharge, 6. degrade, 7. immortality

8. The saltwater can _____ metal over time if not properly maintained.
v. to destroy or eat away slowly by chemical action; to gradually wear away, weaken, or disintegrate over time
9. The _____ puzzle pieces were difficult to separate.
adj. fitting or locking together in a way that makes a continuous and secure whole
10. The processor performs calculations on the _____ timescale.
n. one thousand millionth or billionth (= 0.000,000,001) of a second
11. He poured himself a _____ of whiskey to relax after a long day at work.
n. a small unit of weight used for measuring liquids, particularly whiskey and other alcoholic beverages

ANSWERS: 8. corrode, 9. interlocking, 10. nanosecond, 11. dram