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Vocabulary Builder Reference from...

Daniel Sperling and Gil Tal: The surprisingly long history of electric cars | TED Talk

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

Advanced Words Only

IMPORTANT

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Session 1: Word List

- lug**
- v. to carry or drag something with effort; to pull something along with a sudden or jerky motion
- synonym* : carry, haul, transport
- (1) **lug** a hose, (2) **lug** my son into a room
- He had to **lug** the heavy suitcase up the stairs.
- refuel**
- v. to put additional fuel into a plane, ship, car, etc.
- (1) **refuel** air-to-air, (2) **refuel** bombers in flight
- Our plane stopped in the country to **refuel**.
- emit**
- v. to give off or send out something such as light, heat, sound, gas, etc.
- synonym* : give off, radiate, expel
- (1) **emit** a gamma ray, (2) **emit** air pollution
- During the unloading, the container box **emits** a clicking sound.
- 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.

inefficient

adj. lacking the ability or skill and not making the best use of time, money, energy, etc.

synonym : ineffective, counterproductive, inadequate

(1) **inefficient** use, (2) **inefficient** management

The system is still so **inefficient** that it is useless.

muffler

n. a device used to reduce or silence the noise produced by the exhaust gases of a vehicle or machine; a scarf or wrap worn around the neck to keep warm

synonym : silencer, exhaust, scarf

(1) silencer **muffler**, (2) knit a **muffler** out of wool

The **muffler** on my car was making a loud noise, so I took it to the mechanic to be fixed.

plummet

v. to fall or drop suddenly and steeply; to decline rapidly or sharply

synonym : drop, plunge, fall

(1) **plummeting** sales, (2) **plummet** against other major currencies

The stock prices have **plummeted** in the last hour, causing concern for investors.

smog

n. a type of air pollution that forms a mixture of smoke and fog resulting from the combustion of fossil fuels, industrial activity, and motor vehicle emissions in urban areas

synonym : smog, haze, pollution

(1) **smog** alert, (2) toxic **smog**

The heavy **smog** in the city was causing health issues for the residents.

reconsider

v. to think about a decision or opinion again to

synonym : rethink, review, revisit

(1) **reconsider** the determination, (2) **reconsider** my

transfer

He humbly **reconsidered** his conduct.

devote

v. to commit or dedicate oneself or one's time, effort, or energy to a particular task or purpose

synonym: commit, dedicate, apply

(1) **devote** all of my energies, (2) **devote** my own life

He **devoted** himself to studying the history of ancient civilizations.

hydride

n. a compound that contains a hydrogen anion; a chemical compound formed when hydrogen bonds with another element, such as lithium or magnesium

synonym: hydrogen compound, hydrogen alloy

(1) **hydride** ion, (2) lithium **hydride**

Researchers are studying the potential of magnesium **hydride** for hydrogen storage.

lithium

n. a soft, silvery-white metal that is highly reactive and used in batteries, alloy production, and medications for bipolar disorder

synonym: lithy, Li, salt

(1) **lithium** carbonate, (2) **lithium** mining

Lithium-ion batteries are commonly used in laptops, smartphones, and electric vehicles.

automaker

n. a company or manufacturer that produces automobiles, cars, and other motor vehicles

synonym: carmaker, vehicle maker, automobilist

(1) Japanese **automaker**, (2) luxury **automaker**

The **automaker's** sales have increased by 10% this quarter, thanks to strong consumer demand.

improvisation

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

synonym: spontaneity, ad-lib, extemporization

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

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

upfront

adj. frank and honest; (adverb) (of payment) in advance

synonym: honest, authentic, fair

(1) an **upfront** tone, (2) pay **upfront**

He was very **upfront** with him about his intentions.

reclaim

v. to take back something previously lost, given, or paid, or ask to have it back

synonym: recoup, regain, retake

(1) **reclaim** a competitive position, (2) **reclaim** land from the sea

You may be entitled to **reclaim** some tax.

Session 2: Spelling

1. jazz imp_____ion *n.* the act of making something up on the spot or creating or performing something without preparation
2. knit a mu_____r out of wool *n.* a device used to reduce or silence the noise produced by the exhaust gases of a vehicle or machine; a scarf or wrap worn around the neck to keep warm
3. luxury au_____er *n.* a company or manufacturer that produces automobiles, cars, and other motor vehicles
4. toxic s__g *n.* a type of air pollution that forms a mixture of smoke and fog resulting from the combustion of fossil fuels, industrial activity, and motor vehicle emissions in urban areas
5. re___l air-to-air *v.* to put additional fuel into a plane, ship, car, etc.
6. re_____m a competitive position *v.* to take back something previously lost, given, or paid, or ask to have it back
7. an up_____t tone *adj.* frank and honest; (adverb) (of payment) in advance
8. Japanese au_____er *n.* a company or manufacturer that produces automobiles, cars, and other motor vehicles
9. 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

ANSWERS: 1. improvisation, 2. muffler, 3. automaker, 4. smog, 5. refuel, 6. reclaim, 7. upfront, 8. automaker, 9. electrify

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|----------------------------------|-----------|--|
| 10. re_____m land from the sea | <i>v.</i> | to take back something previously lost, given, or paid, or ask to have it back |
| 11. pl_____ting sales | <i>v.</i> | to fall or drop suddenly and steeply; to decline rapidly or sharply |
| 12. s__g alert | <i>n.</i> | a type of air pollution that forms a mixture of smoke and fog resulting from the combustion of fossil fuels, industrial activity, and motor vehicle emissions in urban areas |
| 13. e__t air pollution | <i>v.</i> | to give off or send out something such as light, heat, sound, gas, etc. |
| 14. li_____m mining | <i>n.</i> | a soft, silvery-white metal that is highly reactive and used in batteries, alloy production, and medications for bipolar disorder |
| 15. imp_____ion on stage | <i>n.</i> | the act of making something up on the spot or creating or performing something without preparation |
| 16. re___l bombers in flight | <i>v.</i> | to put additional fuel into a plane, ship, car, etc. |
| 17. de___e my own life | <i>v.</i> | to commit or dedicate oneself or one's time, effort, or energy to a particular task or purpose |
| 18. rec_____er the determination | <i>v.</i> | to think about a decision or opinion again to |
| 19. l_g my son into a room | <i>v.</i> | to carry or drag something with effort; to pull something along with a sudden or jerky motion |
| 20. lithium hy_____e | <i>n.</i> | a compound that contains a hydrogen anion; a chemical compound formed when hydrogen bonds with another element, such as lithium or magnesium |

ANSWERS: 10. reclaim, 11. plummet, 12. smog, 13. emit, 14. lithium, 15. improvisation, 16. refuel, 17. devote, 18. reconsider, 19. lug, 20. hydride

31. li_____m carbonate

n. a soft, silvery-white metal that is highly reactive and used in batteries, alloy production, and medications for bipolar disorder

32. rec_____er my transfer

v. to think about a decision or opinion again to

ANSWERS: 31. lithium, 32. reconsider

Session 3: Fill in the Blanks

1. He created a beautiful piece of music using only _____.
n. the act of making something up on the spot or creating or performing something without preparation
2. Our plane stopped in the country to _____.
v. to put additional fuel into a plane, ship, car, etc.
3. The _____ sales have increased by 10% this quarter, thanks to strong consumer demand.
n. a company or manufacturer that produces automobiles, cars, and other motor vehicles
4. He humbly _____ his conduct.
v. to think about a decision or opinion again to
5. _____ batteries are commonly used in laptops, smartphones, and electric vehicles.
n. a soft, silvery-white metal that is highly reactive and used in batteries, alloy production, and medications for bipolar disorder
6. The _____ on my car was making a loud noise, so I took it to the mechanic to be fixed.
n. a device used to reduce or silence the noise produced by the exhaust gases of a vehicle or machine; a scarf or wrap worn around the neck to keep warm
7. He had to ___ the heavy suitcase up the stairs.
v. to carry or drag something with effort; to pull something along with a sudden or jerky motion

ANSWERS: 1. improvisation, 2. refuel, 3. automaker's, 4. reconsidered, 5. Lithium-ion, 6. muffler, 7. lug

8. The heavy _____ in the city was causing health issues for the residents.
n. a type of air pollution that forms a mixture of smoke and fog resulting from the combustion of fossil fuels, industrial activity, and motor vehicle emissions in urban areas
9. The stock prices have _____ in the last hour, causing concern for investors.
v. to fall or drop suddenly and steeply; to decline rapidly or sharply
10. You may be entitled to _____ some tax.
v. to take back something previously lost, given, or paid, or ask to have it back
11. 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
12. The system is still so _____ that it is useless.
adj. lacking the ability or skill and not making the best use of time, money, energy, etc.
13. During the unloading, the container box _____ a clicking sound.
v. to give off or send out something such as light, heat, sound, gas, etc.
14. He _____ himself to studying the history of ancient civilizations.
v. to commit or dedicate oneself or one's time, effort, or energy to a particular task or purpose
15. He was very _____ with him about his intentions.
adj. frank and honest; (adverb) (of payment) in advance

ANSWERS: 8. smog, 9. plummeted, 10. reclaim, 11. electrify, 12. inefficient, 13. emits, 14. devoted, 15. upfront

16. Researchers are studying the potential of magnesium _____ for hydrogen storage.

- n.* a compound that contains a hydrogen anion; a chemical compound formed when hydrogen bonds with another element, such as lithium or magnesium

ANSWERS: 16. hydride