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Vocabulary Builder Reference from...

TED-Ed: The world's biggest battery looks nothing like a battery | TED Talk

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

Advanced Words Only

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Session 1: Word List

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.

rejoin

v. to return to someone or something

synonym : come back, return, reunite

(1) **rejoin** their mother ship, (2) **rejoin** the party

After the battle, the soldier managed to **rejoin** his unit.

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.

gravitational

adj. relating to or caused by gravity (= the force that attracts objects towards one another)

synonym : weighty, heavy, earthbound

(1) **gravitational** energy, (2) **gravitational** waves

The **gravitational** force of the black hole was so strong that nothing, not even light, could escape.

downhill

adv. in a direction that is downward or from a higher to a lower point; in a progressively worse or deteriorating manner

synonym : downslope

(1) ski **downhill**, (2) walk **downhill** to the beach

The family's finances have been going **downhill** since they lost their main source of income.

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.

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**.

skyscraper

n. a very tall building, typically one in a city

synonym : high-rise, tower

(1) **skyscraper** apartment house, (2) steel-framed **skyscraper**

The 50-floor **skyscraper** loomed over the city, dwarfing the other buildings.

crane

n. a large, tall machine used for moving heavy objects by suspending them from a beam or hook

synonym : hoist, derrick, winch

(1) **crane** operator, (2) **crane** construction

The construction workers used a **crane** to lift the heavy

beams.

setback

n. an unfortunate happening that hinders or impedes; a reversal or check in progress

synonym: obstacle, hindrance, difficulty

(1) major **setback**, (2) suffer a **setback**

The team experienced a **setback** when their star player was injured during the game.

molten

adj. in a liquid state as a result of being heated

synonym: melted, liquefied, fused

(1) a **molten** image, (2) **molten** lava

The **molten** metal was poured into the mold.

spit

v. to eject saliva or other liquid from the mouth

synonym: expectorate, saliva, spew

(1) **spit** a bullet, (2) **spit** a mouthful of saliva

She tried to **spit** out the gum that she had been chewing.

microscopic

adj. tiny; exceedingly precise and detail-oriented; of or used in microscopy

synonym: infinitesimal, tiny, atomic

(1) **microscopic** inquiry, (2) **microscopic** analysis

Inspectors noticed **microscopic** cracks in the submarine's hull.

seawater

n. water from the sea or ocean, typically containing salt and various other dissolved minerals

synonym: saltwater, brine, ocean water

(1) **seawater** pollution, (2) **seawater** bacteria

The desalination plant turned **seawater** into drinking water through a complex process.

rethink

v. to consider again a plan, idea, etc., especially to change it

synonym: reexplore, review, reconsider

(1) **rethink** a marketing plan, (2) **rethink** the role of the manager

We have to **rethink** our company's product lineup for further growth.

Session 2: Spelling

1. a mo___n image *adj.* in a liquid state as a result of being heated
2. se_____er pollution *n.* water from the sea or ocean, typically containing salt and various other dissolved minerals
3. ski do_____ll *adv.* in a direction that is downward or from a higher to a lower point; in a progressively worse or deteriorating manner
4. mic_____ic inquiry *adj.* tiny; exceedingly precise and detail-oriented; of or used in microscopy
5. re___n the party *v.* to return to someone or something
6. s__t a mouthful of saliva *v.* to eject saliva or other liquid from the mouth
7. sky_____er apartment house *n.* a very tall building, typically one in a city
8. 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
9. re_____k a marketing plan *v.* to consider again a plan, idea, etc., especially to change it
10. gra_____nal waves *adj.* relating to or caused by gravity (= the force that attracts objects towards one another)
11. major se_____k *n.* an unfortunate happening that hinders or impedes; a reversal or check in progress

ANSWERS: 1. molten, 2. seawater, 3. downhill, 4. microscopic, 5. rejoin, 6. spit, 7. skyscraper, 8. electrify, 9. rethink, 10. gravitational, 11. setback

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|--------------------------------------|---|
| 12. cr__e operator | <i>n.</i> a large, tall machine used for moving heavy objects by suspending them from a beam or hook |
| 13. mic_____ic analysis | <i>adj.</i> tiny; exceedingly precise and detail-oriented; of or used in microscopy |
| 14. re___l bombers in flight | <i>v.</i> to put additional fuel into a plane, ship, car, etc. |
| 15. pay up____t | <i>adj.</i> frank and honest; (adverb) (of payment) in advance |
| 16. se_____er bacteria | <i>n.</i> water from the sea or ocean, typically containing salt and various other dissolved minerals |
| 17. an up____t tone | <i>adj.</i> frank and honest; (adverb) (of payment) in advance |
| 18. re_____k the role of the manager | <i>v.</i> to consider again a plan, idea, etc., especially to change it |
| 19. mo____n lava | <i>adj.</i> in a liquid state as a result of being heated |
| 20. steel-framed sky_____er | <i>n.</i> a very tall building, typically one in a city |
| 21. cr__e construction | <i>n.</i> a large, tall machine used for moving heavy objects by suspending them from a beam or hook |
| 22. s__t a bullet | <i>v.</i> to eject saliva or other liquid from the mouth |
| 23. suffer a se_____k | <i>n.</i> an unfortunate happening that hinders or impedes; a reversal or check in progress |
| 24. re___n their mother ship | <i>v.</i> to return to someone or something |

ANSWERS: 12. crane, 13. microscopic, 14. refuel, 15. upfront, 16. seawater, 17. upfront, 18. rethink, 19. molten, 20. skyscraper, 21. crane, 22. spit, 23. setback, 24. rejoin

25. el_____fy a manufacturing process *v.* to make a machine or system work by using electricity; to make someone extremely enthusiastic about or interested in something
26. walk do_____ll to the beach *adv.* in a direction that is downward or from a higher to a lower point; in a progressively worse or deteriorating manner
27. re____l air-to-air *v.* to put additional fuel into a plane, ship, car, etc.
28. li_____m mining *n.* a soft, silvery-white metal that is highly reactive and used in batteries, alloy production, and medications for bipolar disorder
29. li_____m carbonate *n.* a soft, silvery-white metal that is highly reactive and used in batteries, alloy production, and medications for bipolar disorder
30. gra_____nal energy *adj.* relating to or caused by gravity (= the force that attracts objects towards one another)

ANSWERS: 25. electrify, 26. downhill, 27. refuel, 28. lithium, 29. lithium, 30. gravitational

Session 3: Fill in the Blanks

1. After the battle, the soldier managed to _____ his unit.
v. to return to someone or something
2. The _____ force of the black hole was so strong that nothing, not even light, could escape.
adj. relating to or caused by gravity (= the force that attracts objects towards one another)
3. She tried to _____ out the gum that she had been chewing.
v. to eject saliva or other liquid from the mouth
4. The team experienced a _____ when their star player was injured during the game.
n. an unfortunate happening that hinders or impedes; a reversal or check in progress
5. The 50-floor _____ loomed over the city, dwarfing the other buildings.
n. a very tall building, typically one in a city
6. The _____ metal was poured into the mold.
adj. in a liquid state as a result of being heated
7. Inspectors noticed _____ cracks in the submarine's hull.
adj. tiny; exceedingly precise and detail-oriented; of or used in microscopy
8. The desalination plant turned _____ into drinking water through a complex process.
n. water from the sea or ocean, typically containing salt and various other dissolved minerals

ANSWERS: 1. rejoin, 2. gravitational, 3. spit, 4. setback, 5. skyscraper, 6. molten, 7. microscopic, 8. seawater

9. Our plane stopped in the country to _____.
- v.* to put additional fuel into a plane, ship, car, etc.
10. The construction workers used a _____ to lift the heavy beams.
- n.* a large, tall machine used for moving heavy objects by suspending them from a beam or hook
11. We have to _____ our company's product lineup for further growth.
- v.* to consider again a plan, idea, etc., especially to change it
12. 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
13. He was very _____ with him about his intentions.
- adj.* frank and honest; (adverb) (of payment) in advance
14. The family's finances have been going _____ since they lost their main source of income.
- adv.* in a direction that is downward or from a higher to a lower point; in a progressively worse or deteriorating manner
15. _____ 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

ANSWERS: 9. refuel, 10. crane, 11. rethink, 12. electrify, 13. upfront, 14. downhill, 15. Lithium-ion