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Vocabulary Builder Reference from...

Elon Musk: The mind behind Tesla, SpaceX,

SolarCity ... | TED Talk

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

nd_tesla_spacex_solarcity



Advanced Words Only

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Session 1: Word List

industrious

adj. hardworking, diligent, and persistent in effort

synonym: diligent, hardworking, assiduous

(1) industrious worker, (2) industrious student

He was known to be very **industrious** and would often work late into the night.

musky

adj. having a strong, earthy smell that is often reminiscent of musk or moss

synonym: musty, earthy, pungent

(1) musky aroma, (2) musky perfume

The **musky** scent of the old book filled the air of the dusty library.

hydrocarbon

- an organic compound consisting entirely of hydrogen and carbon
- (1) **hydrocarbon** production, (2) **hydrocarbon** molecules in crude oil

Burning **hydrocarbons** releases water vapor and carbon dioxide.

electrify

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.

voluminous

adj. large in volume or bulk

synonym: large, bulky, spacious

(1) voluminous work, (2) voluminous data

The manuscript was **voluminous**, spanning several hundred pages.

ironic

adj. using words to express something different from and often opposite to their literal or usual meaning, often for humorous or rhetorical effect

synonym: sarcastic, wry, sardonic

(1) **ironic** result, (2) an **ironic** turn of events

It was **ironic** that the heavy rain started just as they set up for an outdoor picnic.

Newtonian

adj. relating to Sir Isaac Newton or his laws of motion and universal gravitation

synonym: classical, physics, mechanics

(1) Newtonian physics, (2) Newtonian mechanics

The motion of planets can be described using **Newtonian** mechanics.

congratulation

n. the act of expressing that someone has an occasion for celebration or the expression of pleasure at the success or good fortune of another

synonym: praise, compliment, felicitation

(1) **congratulation** on a promotion, (2) a matter for **congratulation**

The **congratulations** from her friends and family were overwhelming after she won the championship.

meld

v. to combine or blend, especially in a way that produces a harmonious or unified whole; to merge or fuse

synonym: blend, merge, combine

(1) **meld** business and pleasure, (2) **meld** physics with life science

The chef **melded** the flavors of the spice blend to create the perfect marinade.

commute

v. to regularly travel a particular journey, especially between one's home and place of work; (noun) a regular journey of some distance to and from your place of work

synonym: travel, journey, trip

(1) commute to work, (2) daily commute

He had to **commute** two hours each way to get to work.

seaboard

n. the coastal areas or region adjacent to the sea or ocean; a coastline or shore

synonym: coastline, shoreline, seaside

(1) eastern seaboard, (2) coastal seaboard

The seafood cuisine in the **seaboard** region is renowned for its freshness and variety.

supercharge

- v. to increase the power or energy of somethingsynonym: boost, enhance, power up
- (1) **supercharge** economic growth, (2) **supercharge** the battery

They **supercharged** the engine to get more power.

cadence

n. the rhythmic flow or pattern of sounds or words,
 especially in relation to music or speech; the rhythmic or periodic movement or progression of something

synonym: rhythm, flow, beat

(1) cadence of footsteps, (2) regular cadence

The singer's voice had a beautiful **cadence**, and I couldn't help but sway to the rhythm.

Kelvin

n. a unit of measurement for temperature in the International System of Units (SI), which starts at absolute zero, the theoretical lowest limit of temperature, and named after the British physicist William Thomson, also known as Lord Kelvin

synonym: K, degree

(1) Kelvin scale, (2) Kelvin measurement

The scientist cooled the sample to just a couple of **Kelvin** to observe quantum effects.

compress

 to press or squeeze together to make something take up less space

synonym: condense, constrict, squeeze

(1) compress the chest, (2) compress gas

She **compressed** the files into a single ZIP archive to save space on her computer.

frack

v. to inject water and chemicals into the ground at high pressure to fracture the rock and release the gas or oil, especially to extract them

synonym: extract, drill, mine

(1) frack the land, (2) frack multiple wells

The energy company plans to **frack** the shale deposit to extract natural gas.

allude

- v. to suggest or make reference to something indirectly synonym: imply, indicate, hint
- (1) **allude** to his low origin, (2) **allude** to the planning He **alluded** to the problem but did not mention it directly.

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.

plurality

 n. the state of being plural or multiple; a majority of votes or shares held by one group in a multi-candidate or multi-party system

synonym: majority, plurality, abundance

(1) political plurality, (2) cultural plurality

The team's **plurality** of skills allowed them to tackle a wide range of tasks.

nameless

adj. without a name or unknown; not named or identified *synonym*: anonymous, unknown, unidentified

(1) nameless fear, (2) nameless child

The victim could only describe their attacker as a **nameless** figure in the darkness.

punchline

 the final sentence or phrase in a joke, which is intended to be funny or surprising and to bring the joke to a climax

synonym: joke, climax, comedic ending

have no punchline, (2) the final punchline
 punchline of the joke was hilarious.

spacefaring

n. the act or practice of traveling or exploring outer space, typically to advance scientific knowledge, develop new technologies, or establish a human presence beyond Earth; the ability to travel and explore space

synonym: space navigation, space exploration, spaceflight

(1) **spacefaring** nation, (2) the future of **spacefaring** exploration

Spacefaring technology has allowed us to explore the vast expanse of the universe.

confine

- v. to restrict the movement of someone or something synonym: restrict, limit, contain
- (1) **confine** themselves solely, (2) **confine** the scope of use The animal was **confined** in a small cage.

expendable

 adj. able to be consumed, used up, or sacrificed without consequence; dispensable or disposable; unnecessary or redundant

synonym: disposable, dispensable, replaceable

(1) **expendable** income, (2) **expendable** assets In war, those in power often view soldiers as **expendable** resources.

refurbish

 to renovate or improve something old or worn out, typically by cleaning, repairing, or replacing parts to restore its original condition or appearance

synonym: renovate, revamp, remodel

(1) **refurbish** a room, (2) **refurbish** a classic car I plan to **refurbish** my old dresser with a fresh coat of paint and new drawer handles.

propellant

 a substance that provides the force to propel (= to cause something to move forwards) something, such as a rocket or spray can

synonym: fuel, driving force, impelling agent

(1) **propellant** mixture, (2) **propellant** tank

The **propellant** in the rocket provided the force needed to reach outer space.

spaceflight

n. the act of traveling into space, either by means of crewed or uncrewed spacecraft; the technology and infrastructure required to support space travel

synonym: space travel, orbital flight

(1) private **spaceflight**, (2) **spaceflight** industry

Spaceflight technology has advanced significantly since the first man landed on the moon in 1969.

afterward

adv. after the time mentioned

synonym: later, thereafter, following

(1) a few years **afterward**, (2) go there **afterward**We will explain the countermeasure concerning this problem **afterward**.

disrupt

pave

v. to prevent or stop something, especially an event, activity, or process, from continuing in the usual way by causing a problem or disturbance

synonym: interrupt, disturb, break into

- (1) **disrupt** a well-ordered condition, (2) **disrupt** sleep I'm so sorry to **disrupt** you when you're pretty busy.
- to cover something with a hard, flat material such as stones, bricks, or concrete, to make it suitable for travel or use

synonym: surface, coat, cover

(1) **pave** a new path, (2) **pave** a smoother road They **paved** the courtyard with bricks, giving it a more polished appearance.

grasshopper

 large jumping insect; used to symbolize restlessness or ephemerality

synonym: locust, katydid, cricket

grasshopper mice, (2) grasshopper species
 The grasshopper leaped from one blade of grass to another.

mannequin

 a life-sized model of the human body used for displaying clothes, especially in a store window

synonym: dummy, model, figure

(1) mannequin display, (2) pose mannequin

The store's window display featured a series of **mannequins** dressed in the latest fashion.

hover

- v. to stay in one place in the air synonym: hang, float over, drift
- (1) **hover** between life and death, (2) **hover** around the table

Two birds were **hovering** overhead.

yaw

v. to turn or deviate from a straight course, especially as a result of wind or current; to swerve or veer off course to one side; (noun) a rotation or deviation of an object,

usually an aircraft, boat, or vehicle, around its vertical axis

synonym: swerve, veer, deviate

(1) yaw off course, (2) yaw movement

The pilot needed to **yaw** the plane slightly to avoid colliding with another aircraft.

innovate

- v. to introduce new methods, ideas, or products synonym: bring in, introduce, found
- (1) **innovate** a new method, (2) **innovate** the quality of his life

Companies developing self-driving cars consistently **innovate** the emerging technologies.

synthesize

v. to combine a substance to make a more complex product or compound

synonym: incorporate, amalgamate

(1) **synthesize** molecules, (2) **synthesize** information The spider can **synthesize** multiple different silk proteins.

counterintuitive

adj. contrary to what common sense would suggest *synonym*: unreasonable, paradoxical, nonsensical

(1) **counterintuitive** results, (2) **counterintuitive** behavior The **counterintuitive** nature of quantum physics has been a source of confusion for scientists for decades.

solicit

 to ask for something, especially in an urgent or pleading manner; to seek something through entreaty

synonym: request, seek, ask

(1) solicit advice, (2) solicit patronage

The company **solicited** donations from its employees for the charity event.

Session 2: Spelling

1.	cou	_ive results	adj.	contrary to what common sense would suggest
2.	muy perfume		adj.	having a strong, earthy smell that is often reminiscent of musk or moss
3.	emr the secsame	cretary to do the	ν.	to give someone the power or authority to do something
4.	emr my life		ν.	to give someone the power or authority to do something
5.	cou	_ive behavior	adj.	contrary to what common sense would suggest
6.	private spa	ht	n.	the act of traveling into space, either by means of crewed or uncrewed spacecraft; the technology and infrastructure required to support space travel
7.	volus data	a	adj.	large in volume or bulk
8.	frk the land		v.	to inject water and chemicals into the ground at high pressure to fracture the rock and release the gas or oil, especially to extract them
9.	pront tank	(n.	a substance that provides the force to propel (= to cause something to move forwards) something, such as a rocket or spray can
10.	sot advice		<i>v</i> .	to ask for something, especially in an urgent or pleading manner; to seek something through entreaty

ANSWERS: 1. counterintuitive, 2. musky, 3. empower, 4. empower, 5. counterintuitive, 6. spaceflight, 7. voluminous, 8. frack, 9. propellant, 10. solicit

11. main display	n.	a life-sized model of the human body used for displaying clothes, especially in a store window
12. Ken scale	n.	a unit of measurement for temperature in the International System of Units (SI), which starts at absolute zero, the theoretical lowest limit of temperature, and named after the British physicist William Thomson, also known as Lord Kelvin
13. md physics with life science	ν.	to combine or blend, especially in a way that produces a harmonious or unified whole; to merge or fuse
14. Ken measurement	n.	a unit of measurement for temperature in the International System of Units (SI), which starts at absolute zero, the theoretical lowest limit of temperature, and named after the British physicist William Thomson, also known as Lord Kelvin
15. dit sleep	ν.	to prevent or stop something, especially an event, activity, or process, from continuing in the usual way by causing a problem or disturbance
16. fr_k multiple wells	ν.	to inject water and chemicals into the ground at high pressure to fracture the rock and release the gas or oil, especially to extract them
17. supge economic growth	ν.	to increase the power or energy of something
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ANSWERS: 11. mannequin, 12. Kelvin, 13. meld, 14. Kelvin, 15. disrupt, 16. frack, 17. supercharge

18.	coss the chest	<i>v</i> .	to press or squeeze together to make something take up less space
19.	synze molecules	<i>v</i> .	to combine a substance to make a more complex product or compound
20.	conion on a promotion	n.	the act of expressing that someone has an occasion for celebration or the expression of pleasure at the success or good fortune of another
21.	dit a well-ordered condition	<i>v</i> .	to prevent or stop something, especially an event, activity, or process, from continuing in the usual way by causing a problem or disturbance
22.	nass fear	adj.	without a name or unknown; not named or identified
23.	coastal serd	n.	the coastal areas or region adjacent to the sea or ocean; a coastline or shore
24.	spang nation	n.	the act or practice of traveling or exploring outer space, typically to advance scientific knowledge, develop new technologies, or establish a human presence beyond Earth; the ability to travel and explore space
25.	y_w off course	<i>v</i> .	to turn or deviate from a straight course, especially as a result of wind or current; to swerve or veer off course to one side; (noun) a rotation or deviation of an object, usually an aircraft, boat, or vehicle, around its vertical axis
26.	coss gas	<i>v</i> .	to press or squeeze together to make something take up less space

ANSWERS: 18. compress, 19. synthesize, 20. congratulation, 21. disrupt, 22. nameless, 23. seaboard, 24. spacefaring, 25. yaw, 26. compress

27.	an irc turn of events	adj.	using words to express something different from and often opposite to their literal or usual meaning, often for humorous or rhetorical effect
28.	volus work	adj.	large in volume or bulk
29.	md business and pleasure	ν.	to combine or blend, especially in a way that produces a harmonious or unified whole; to merge or fuse
30.	coe the scope of use	<i>v</i> .	to restrict the movement of someone or something
31.	hydon production	n.	an organic compound consisting entirely of hydrogen and carbon
32.	indus student	adj.	hardworking, diligent, and persistent in effort
33.	spaht industry	n.	the act of traveling into space, either by means of crewed or uncrewed spacecraft; the technology and infrastructure required to support space travel
34.	the final pune	n.	the final sentence or phrase in a joke, which is intended to be funny or surprising and to bring the joke to a climax
35.	graer mice	n.	large jumping insect; used to symbolize restlessness or ephemerality
36.	cae of footsteps	n.	the rhythmic flow or pattern of sounds or words, especially in relation to music or speech; the rhythmic or periodic movement or progression of something

ANSWERS: 27. ironic, 28. voluminous, 29. meld, 30. confine, 31. hydrocarbon, 32. industrious, 33. spaceflight, 34. punchline, 35. grasshopper, 36. cadence

37.	coe to work	<i>v</i> .	to regularly travel a particular journey, especially between one's home and place of work; (noun) a regular journey of some distance to and from your place of work
38.	y_w movement	ν.	to turn or deviate from a straight course, especially as a result of wind or current; to swerve or veer off course to one side; (noun) a rotation or deviation of an object, usually an aircraft, boat, or vehicle, around its vertical axis
39.	elfy a manufacturing process	<i>v</i> .	to make a machine or system work by using electricity; to make someone extremely enthusiastic about or interested in something
40.	Nean physics	adj.	relating to Sir Isaac Newton or his laws of motion and universal gravitation
41.	go there afrd	adv.	after the time mentioned
42.	sot patronage	ν.	to ask for something, especially in an urgent or pleading manner; to seek something through entreaty
43.	inte a new method	<i>v</i> .	to introduce new methods, ideas, or products
44.	cultural plty	n.	the state of being plural or multiple; a majority of votes or shares held by one group in a multi-candidate or multi-party system
45.	Nean mechanics	adj.	relating to Sir Isaac Newton or his laws of motion and universal gravitation

ANSWERS: 37. commute, 38. yaw, 39. electrify, 40. Newtonian, 41. afterward, 42. solicit, 43. innovate, 44. plurality, 45. Newtonian

47. irc result adj. using words to express somethin different from and often opposite literal or usual meaning, often for humorous or rhetorical effect	to their r , or rce to move
	rce to move
48. inte the quality of his life v. to introduce new methods, ideas products	move
49. pront mixture n. a substance that provides the for propel (= to cause something to forwards) something, such as a or spray can	UCKEL
50. pose main n. a life-sized model of the human lused for displaying clothes, espera store window	-
51. ale to the planning $ν$. to suggest or make reference to something indirectly	
52. ale to his low origin ν. to suggest or make reference to something indirectly	
53. ho_r between life and death v. to stay in one place in the air	
54. \sup ge the battery ν . to increase the power or energy something	of
55. hor around the table ν. to stay in one place in the air	
56. eastern serd n. the coastal areas or region adjact the sea or ocean; a coastline or sea.	
57. resh a room v. to renovate or improve somethin worn out, typically by cleaning, repairing, or replacing parts to re its original condition or appearant	estore

ANSWERS: 46. pave, 47. ironic, 48. innovate, 49. propellant, 50. mannequin, 51. allude, 52. allude, 53. hover, 54. supercharge, 55. hover, 56. seaboard, 57. refurbish

58.	a matter for conion	n.	the act of expressing that someone has an occasion for celebration or the expression of pleasure at the success or good fortune of another
59.	coe themselves solely	<i>v</i> .	to restrict the movement of someone or something
60.	pe a new path	v.	to cover something with a hard, flat material such as stones, bricks, or concrete, to make it suitable for travel or use
61.	exple assets	adj.	able to be consumed, used up, or sacrificed without consequence; dispensable or disposable; unnecessary or redundant
62.	resh a classic car	v.	to renovate or improve something old or worn out, typically by cleaning, repairing, or replacing parts to restore its original condition or appearance
63.	graer species	n.	large jumping insect; used to symbolize restlessness or ephemerality
64.	have no pune	n.	the final sentence or phrase in a joke, which is intended to be funny or surprising and to bring the joke to a climax
65.	indus worker	adj.	hardworking, diligent, and persistent in effort
66.	synze information	<i>v</i> .	to combine a substance to make a more complex product or compound
67.	a few years afrd	adv.	after the time mentioned

ANSWERS: 58. congratulation, 59. confine, 60. pave, 61. expendable, 62. refurbish, 63. grasshopper, 64. punchline, 65. industrious, 66. synthesize, 67. afterward

68.	hydon molecules in crude oil	n.	an organic compound consisting entirely of hydrogen and carbon
69.	nass child	adj.	without a name or unknown; not named or identified
70.	regular cae	n.	the rhythmic flow or pattern of sounds or words, especially in relation to music or speech; the rhythmic or periodic movement or progression of something
71.	exple income	adj.	able to be consumed, used up, or sacrificed without consequence; dispensable or disposable; unnecessary or redundant
	the future of spang exploration	n.	the act or practice of traveling or exploring outer space, typically to advance scientific knowledge, develop new technologies, or establish a human presence beyond Earth; the ability to travel and explore space
73.	daily coe	ν.	to regularly travel a particular journey, especially between one's home and place of work; (noun) a regular journey of some distance to and from your place of work
74.	muy aroma	adj.	having a strong, earthy smell that is often reminiscent of musk or moss
75.	political plty	n.	the state of being plural or multiple; a majority of votes or shares held by one group in a multi-candidate or multi-party system
76.	elfy the audience	v.	to make a machine or system work by using electricity; to make someone extremely enthusiastic about or interested in something

ANSWERS: 68. hydrocarbon, 69. nameless, 70. cadence, 71. expendable, 72. spacefaring, 73. commute, 74. musky, 75. plurality, 76. electrify

Vocab-Builder Ref from	"Elon Musk: The mind behind T	esla, SpaceX, SolarCity Te	ED Talk" (38 words)
ANSWERS:			
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Session 3: Fill in the Blanks

1.	technology has allowed us to explore the vast expanse of the universe.
n.	the act or practice of traveling or exploring outer space, typically to advance scientific knowledge, develop new technologies, or establish a human presence beyond Earth; the ability to travel and explore space
2.	The manuscript was spanning several hundred pages.
adj	i. large in volume or bulk
3.	The leaped from one blade of grass to another.
n.	large jumping insect; used to symbolize restlessness or ephemerality
4.	The motion of planets can be described using mechanics.
adj	relating to Sir Isaac Newton or his laws of motion and universal gravitation
5.	It was that the heavy rain started just as they set up for an outdoor picnic.
adj	using words to express something different from and often opposite to their literal or usual meaning, often for humorous or rhetorical effect
ô.	technology has advanced significantly since the first man landed on the moon in 1969.
n.	the act of traveling into space, either by means of crewed or uncrewed spacecraft; the technology and infrastructure required to support space travel
7.	The in the rocket provided the force needed to reach outer space.
n.	a substance that provides the force to propel (= to cause something to move forwards) something, such as a rocket or spray can
	SWERS: 1. Spacefaring, 2. voluminous, 3. grasshopper, 4. Newtonian, 5. ironic, 6. aceflight, 7. propellant

ANSWERS: 8. cadence, 9. yaw, 10. frack, 11. congratulations, 12. innovate, 13. empowered, 14. plurality

group in a multi-candidate or multi-party system

compressed, 20. expendable, 21. disrupt, 22. Kelvin

28. hovering, 29. solicited, 30. electrify

ANSWERS: 31. hydrocarbons, 32. afterward, 33. musky, 34. melded, 35. refurbish, 36. paved, 37. mannequins, 38. confined

Vocab-Builder Ref from	"Elon Musk: The mind behind T	esla, SpaceX, SolarCity Te	ED Talk" (38 words)
ANSWERS:			
ANOVILIO.			