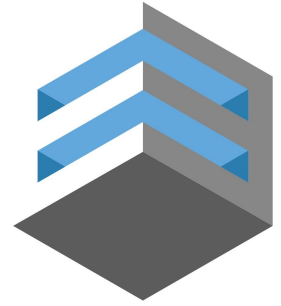


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Vocabulary Builder Reference from...

Alan Eustace: I leapt from the stratosphere. Here's how I did it | TED Talk

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

Advanced Words Only

IMPORTANT

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Session 1: Word List

cape

n. a type of long, loose outer garment that covers the back, shoulders, and arms; a headland or promontory extending into the sea or other large body of water

synonym: shawl, cloak, mantle

(1) **cape** cod, (2) red **cape**

The superhero wore a flowing **cape** as part of their costume.

stratosphere

n. the second layer of the Earth's atmosphere, extending from about 7 to 50 kilometers above the Earth's surface, containing the ozone layer

synonym: upper atmosphere, ozone layer

(1) **stratosphere** layer, (2) **stratosphere** ozone

The ozone layer, which protects us from harmful UV radiation, is in the **stratosphere**.

astronaut

n. a person trained by a space agency to travel outside the Earth's atmosphere

synonym: spaceman, cosmonaut

(1) **astronaut** mission, (2) **astronaut** in training

The shuttle **astronaut** trained for months before embarking on the space mission.

blazing

adj. burning and emitting intense heat and light; powerful and impressive

synonym : burning, fiery, scorching

(1) **blazing** fury, (2) **blazing** fire

The **blazing** sun beat down on the desert.

linger

v. to stay in a place or exist longer than expected

synonym : dawdle, tarry, loiter

(1) **linger** in the mind, (2) **linger** over your work

She **lingered** for a moment before leaving the room.

paragon

n. a person or thing that is regarded as a perfect example of a particular quality or characteristic; a model of excellence or perfection

synonym : model, exemplar, ideal

(1) **paragon** of wisdom, (2) **paragon** of virtue

She is considered a **paragon** of beauty and grace in her community.

parachute

n. a device used to slow the motion of people or objects through an atmosphere consisting of a large piece of thin cloth that is attached to them and opens out in the air

(1) **parachute** troops, (2) golden **parachute**

This training includes emergency escape drills with **parachutes**.

wetsuit

n. a close-fitting garment that covers the torso, arms, and legs and is designed to keep the wearer warm and dry, especially when participating in water sports

synonym : diving suit, neoprene suit

(1) **wetsuit** material, (2) **wetsuit** rental

He wore a **wetsuit** for the entire duration of his triathlon, from start to finish.

extravehicular

adj. taking place or occurring outside a vehicle, particularly about activities performed by astronauts outside of a

spacecraft or vehicle in space

synonym : EVA, spacewalk

(1) **extravehicular** crew member, (2) **extravehicular** suit

Astronauts must undergo extensive training before performing **extravehicular** activities.

helium

n. a colorless, odorless, tasteless, non-toxic, inert, monatomic gas, the first in the noble gas series in the periodic table

synonym : He, light gas, noble gas

(1) **helium** atom, (2) **helium** gas

The **helium-filled** balloons floated into the sky.

airspace

n. the designated area above the surface of the earth where aircraft are allowed to fly, regulated by government authorities; the portion of the atmosphere above a particular location that is controlled by a specific country or organization

synonym : sky, zone, area

(1) **airspace** violation, (2) **airspace** restrictions

The airplane entered restricted **airspace** and had to be escorted by fighter jets.

cutaway

n. a section removed from an object or structure to show the internal workings or details; a break in a film or television show to insert footage of a different scene or film

synonym : section, cutout, excerpt

(1) **cutaway** collar, (2) **cutaway** view

The fashion designer included a **cutaway** section on the dress to show off the intricate details.

forbid

v. to order somebody not to do something, especially officially; to keep something from happening or arising

synonym : prohibit, ban, outlaw

(1) **forbid** smoking in public areas, (2) **forbid** the use of chemical weapons

God **forbid** you should regret your marriage.

curvature

n. the degree to which a line or surface deviates from being straight or flat; a measure of the amount of bending of a curve

synonym : bend, arch, bow

(1) the degree of **curvature**, (2) spinal **curvature**

The **curvature** of the earth can be seen from space.

inflated

adj. swollen or blown up, especially with air or gas; excessively or unreasonably high

synonym : enlarged, swollen, distended

(1) **inflated** prices, (2) an **inflated** balloon

The athlete's ego became **inflated** by their success.

drogue

n. a device used to slow an aircraft during descent or to aid in refueling mid-air; a device used to slow a boat's drift in heavy weather; a parachute used in airdrops of cargo or paratroopers to help slow down the descent and stabilize the load

synonym : sea anchor, parachute

(1) ship **drogue**, (2) **drogue** bomb

During the storm, the pilot released a **drogue** anchor to keep the boat in place.

stabilize

v. to become or cause to become steady or unlikely to give way

synonym : brace, steady, secure

(1) **stabilize** prices, (2) **stabilize** blood sugar levels

The raising of interest rates **stabilizes** the inflation rate.

tandem

n. a device or arrangement that allows two or more things to be connected or work together in a coordinated manner; a bicycle built for two people to ride in a line, with one behind the other

synonym : bicycle built for two, double, tandem bike

(1) **tandem** approach, (2) **tandem** skydiving

The **tandem** bike ride was fun for the couple to enjoy together.

tangle

n. a confused mass of something twisted together

synonym: knot, snarl, entanglement

(1) in a **tangle**, (2) **tangle** wires

The cords behind my computer were a **tangled** mess.

meteorology

n. the branch of science that deals with processes in the Earth's atmosphere that cause weather conditions

(1) agricultural **meteorology**, (2) marine **meteorology**

He conducted his research at the **meteorology** laboratory using large-scale computing.

medicinal

adj. of or relating to the treatment or cure of disease

synonym: curative, therapeutic, healing

(1) **medicinal** chemistry, (2) traditional **medicinal**

The **medicinal** properties of this herb have been known to help with various ailments.

Session 2: Spelling

1. cu____y collar *n.* a section removed from an object or structure to show the internal workings or details; a break in a film or television show to insert footage of a different scene or film
2. li____r over your work *v.* to stay in a place or exist longer than expected
3. ai____ce restrictions *n.* the designated area above the surface of the earth where aircraft are allowed to fly, regulated by government authorities; the portion of the atmosphere above a particular location that is controlled by a specific country or organization
4. bl____g fury *adj.* burning and emitting intense heat and light; powerful and impressive
5. fo____d smoking in public areas *v.* to order somebody not to do something, especially officially; to keep something from happening or arising
6. he____m atom *n.* a colorless, odorless, tasteless, non-toxic, inert, monatomic gas, the first in the noble gas series in the periodic table
7. str____ere ozone *n.* the second layer of the Earth's atmosphere, extending from about 7 to 50 kilometers above the Earth's surface, containing the ozone layer

ANSWERS: 1. cutaway, 2. linger, 3. airspace, 4. blazing, 5. forbid, 6. helium, 7. stratosphere

8. ext_____lar crew member *adj.* taking place or occurring outside a vehicle, particularly about activities performed by astronauts outside of a spacecraft or vehicle in space
9. me_____al chemistry *adj.* of or relating to the treatment or cure of disease
10. li____r in the mind *v.* to stay in a place or exist longer than expected
11. ai_____ce violation *n.* the designated area above the surface of the earth where aircraft are allowed to fly, regulated by government authorities; the portion of the atmosphere above a particular location that is controlled by a specific country or organization
12. str_____ere layer *n.* the second layer of the Earth's atmosphere, extending from about 7 to 50 kilometers above the Earth's surface, containing the ozone layer
13. marine met_____gy *n.* the branch of science that deals with processes in the Earth's atmosphere that cause weather conditions
14. cu_____y view *n.* a section removed from an object or structure to show the internal workings or details; a break in a film or television show to insert footage of a different scene or film
15. as_____ut mission *n.* a person trained by a space agency to travel outside the Earth's atmosphere
16. in a ta____e *n.* a confused mass of something twisted together

ANSWERS: 8. extravehicular, 9. medicinal, 10. linger, 11. airspace, 12. stratosphere, 13. meteorology, 14. cutaway, 15. astronaut, 16. tangle

17. c__e cod *n.* a type of long, loose outer garment that covers the back, shoulders, and arms; a headland or promontory extending into the sea or other large body of water
18. as_____ut in training *n.* a person trained by a space agency to travel outside the Earth's atmosphere
19. st_____ze blood sugar levels *v.* to become or cause to become steady or unlikely to give way
20. pa_____n of virtue *n.* a person or thing that is regarded as a perfect example of a particular quality or characteristic; a model of excellence or perfection
21. traditional me_____al *adj.* of or relating to the treatment or cure of disease
22. agricultural met_____gy *n.* the branch of science that deals with processes in the Earth's atmosphere that cause weather conditions
23. bl_____g fire *adj.* burning and emitting intense heat and light; powerful and impressive
24. pa_____n of wisdom *n.* a person or thing that is regarded as a perfect example of a particular quality or characteristic; a model of excellence or perfection
25. we_____t material *n.* a close-fitting garment that covers the torso, arms, and legs and is designed to keep the wearer warm and dry, especially when participating in water sports
26. pa_____te troops *n.* a device used to slow the motion of people or objects through an atmosphere consisting of a large piece of thin cloth that is attached to them and opens out in the air

ANSWERS: 17. cape, 18. astronaut, 19. stabilize, 20. paragon, 21. medicinal, 22. meteorology, 23. blazing, 24. paragon, 25. wetsuit, 26. parachute

27. ta___e wires *n.* a confused mass of something twisted together
28. st_____ze prices *v.* to become or cause to become steady or unlikely to give way
29. we_____t rental *n.* a close-fitting garment that covers the torso, arms, and legs and is designed to keep the wearer warm and dry, especially when participating in water sports
30. he___m gas *n.* a colorless, odorless, tasteless, non-toxic, inert, monatomic gas, the first in the noble gas series in the periodic table
31. ext_____lar suit *adj.* taking place or occurring outside a vehicle, particularly about activities performed by astronauts outside of a spacecraft or vehicle in space
32. ship dr___e *n.* a device used to slow an aircraft during descent or to aid in refueling mid-air; a device used to slow a boat's drift in heavy weather; a parachute used in airdrops of cargo or paratroopers to help slow down the descent and stabilize the load
33. red c___e *n.* a type of long, loose outer garment that covers the back, shoulders, and arms; a headland or promontory extending into the sea or other large body of water
34. an in_____ed balloon *adj.* swollen or blown up, especially with air or gas; excessively or unreasonably high

ANSWERS: 27. tangle, 28. stabilize, 29. wetsuit, 30. helium, 31. extravehicular, 32. drogue, 33. cape, 34. inflated

35. the degree of cu_____re *n.* the degree to which a line or surface deviates from being straight or flat; a measure of the amount of bending of a curve
36. golden pa_____te *n.* a device used to slow the motion of people or objects through an atmosphere consisting of a large piece of thin cloth that is attached to them and opens out in the air
37. ta____m approach *n.* a device or arrangement that allows two or more things to be connected or work together in a coordinated manner; a bicycle built for two people to ride in a line, with one behind the other
38. spinal cu_____re *n.* the degree to which a line or surface deviates from being straight or flat; a measure of the amount of bending of a curve
39. fo____d the use of chemical weapons *v.* to order somebody not to do something, especially officially; to keep something from happening or arising
40. in_____ed prices *adj.* swollen or blown up, especially with air or gas; excessively or unreasonably high
41. ta____m skydiving *n.* a device or arrangement that allows two or more things to be connected or work together in a coordinated manner; a bicycle built for two people to ride in a line, with one behind the other
42. dr____e bomb *n.* a device used to slow an aircraft during descent or to aid in refueling mid-air; a device used to slow a boat's drift in heavy weather; a parachute used in airdrops of cargo or paratroopers to help slow down the descent and stabilize the load

ANSWERS: 35. curvature, 36. parachute, 37. tandem, 38. curvature, 39. forbid, 40. inflated, 41. tandem, 42. drogue

ANSWERS:

Session 3: Fill in the Blanks

1. This training includes emergency escape drills with _____.
n. a device used to slow the motion of people or objects through an atmosphere consisting of a large piece of thin cloth that is attached to them and opens out in the air
2. During the storm, the pilot released a _____ anchor to keep the boat in place.
n. a device used to slow an aircraft during descent or to aid in refueling mid-air; a device used to slow a boat's drift in heavy weather; a parachute used in airdrops of cargo or paratroopers to help slow down the descent and stabilize the load
3. The athlete's ego became _____ by their success.
adj. swollen or blown up, especially with air or gas; excessively or unreasonably high
4. The cords behind my computer were a _____ mess.
n. a confused mass of something twisted together
5. The _____ balloons floated into the sky.
n. a colorless, odorless, tasteless, non-toxic, inert, monatomic gas, the first in the noble gas series in the periodic table
6. She is considered a _____ of beauty and grace in her community.
n. a person or thing that is regarded as a perfect example of a particular quality or characteristic; a model of excellence or perfection
7. The shuttle _____ trained for months before embarking on the space mission.
n. a person trained by a space agency to travel outside the Earth's atmosphere

ANSWERS: 1. parachutes, 2. drogue, 3. inflated, 4. tangled, 5. helium-filled, 6. paragon, 7. astronaut

8. The superhero wore a flowing _____ as part of their costume.
- n.* a type of long, loose outer garment that covers the back, shoulders, and arms; a headland or promontory extending into the sea or other large body of water
9. Astronauts must undergo extensive training before performing _____ activities.
- adj.* taking place or occurring outside a vehicle, particularly about activities performed by astronauts outside of a spacecraft or vehicle in space
10. He wore a _____ for the entire duration of his triathlon, from start to finish.
- n.* a close-fitting garment that covers the torso, arms, and legs and is designed to keep the wearer warm and dry, especially when participating in water sports
11. The _____ bike ride was fun for the couple to enjoy together.
- n.* a device or arrangement that allows two or more things to be connected or work together in a coordinated manner; a bicycle built for two people to ride in a line, with one behind the other
12. The fashion designer included a _____ section on the dress to show off the intricate details.
- n.* a section removed from an object or structure to show the internal workings or details; a break in a film or television show to insert footage of a different scene or film
13. God _____ you should regret your marriage.
- v.* to order somebody not to do something, especially officially; to keep something from happening or arising
14. The raising of interest rates _____ the inflation rate.
- v.* to become or cause to become steady or unlikely to give way

ANSWERS: 8. cape, 9. extravehicular, 10. wetsuit, 11. tandem, 12. cutaway, 13. forbid, 14. stabilizes

15. The _____ sun beat down on the desert.
adj. burning and emitting intense heat and light; powerful and impressive
16. She _____ for a moment before leaving the room.
v. to stay in a place or exist longer than expected
17. The _____ of the earth can be seen from space.
n. the degree to which a line or surface deviates from being straight or flat; a measure of the amount of bending of a curve
18. The airplane entered restricted _____ and had to be escorted by fighter jets.
n. the designated area above the surface of the earth where aircraft are allowed to fly, regulated by government authorities; the portion of the atmosphere above a particular location that is controlled by a specific country or organization
19. The ozone layer, which protects us from harmful UV radiation, is in the _____.
n. the second layer of the Earth's atmosphere, extending from about 7 to 50 kilometers above the Earth's surface, containing the ozone layer
20. The _____ properties of this herb have been known to help with various ailments.
adj. of or relating to the treatment or cure of disease
21. He conducted his research at the _____ laboratory using large-scale computing.
n. the branch of science that deals with processes in the Earth's atmosphere that cause weather conditions

ANSWERS: 15. blazing, 16. lingered, 17. curvature, 18. airspace, 19. stratosphere, 20. medicinal, 21. meteorology

ANSWERS: