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Vocabulary Builder Reference from...

Armand D'Angour: The real story behind Archimedes'

Eureka! | TED Talk

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I_story_behind_archimedes_eureka



Advanced Words Only

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Session 1: Word List

eureka

n. exclamation of triumph on discovering something; realization or sudden insight

synonym: discovery, breakthrough, aha moment

(1) have a eureka moment, (2) shout "eureka!"

" Eureka!" he exclaimed, finally solving the problem.

destine

v. to determine or set the course of something in advance, often in a way that seems predetermined or inevitable; to specify or choose someone or something for a particular fate or outcome

synonym: ordain, doom, predestine

(1) **destine** us to meet again, (2) be **destined** to become a great artist

Some people believe that we are all **destined** for greatness.

fir

 a type of tall evergreen tree that is native to the northern hemisphere, with needle-like leaves and cones that stand upright on the branches

synonym: pine, spruce, cedar

(1) fir branch, (2) fir forest

The smell of fresh **fir** trees filled the air at the Christmas tree farm.

hemp

n. a plant related to marijuana that is grown for its fiber, seed, and oil and has many industrial and medicinal uses; the fiber from this plant is used to make rope, paper, textiles, and other products

synonym: cannabis, marijuana, weed

(1) hemp seed, (2) organic hemp

The clothing company uses sustainable **hemp** fibers in its products.

catapult

- n. a device used to hurl an object a long distancesynonym: launcher, trebuchet, slingshot
- (1) powerful **catapult**, (2) **catapult** mechanism

 The army used a **catapult** to launch large rocks over the castle walls.

promenade

n. a stroll or walk, often taken in a public place or park; a public place for walking or strolling, often filled with shops or vendors; a dance movement in which the partners move around the floor in a circle or similar pattern

synonym: stroll, walkway, boulevard

(1) evening **promenade**, (2) **promenade** in the park
The boardwalk by the beach was a beautiful **promenade** for tourists and locals alike.

sheltered

adj. protected or shielded from danger or harmful influences; inexperienced or innocent of certain unpleasantness or harsh realities of life

synonym: protected, secure, guarded

(1) sheltered life, (2) sheltered housing

The birds found **sheltered** spots in the trees to avoid the rain.

bathhouse

 a public establishment where people can take baths or showers, often including other amenities such as saunas, steam rooms, or swimming pools

synonym: spa, sauna, steam room

(1) Turkish bathhouse, (2) a public bathhouse

After a long day of work, she went to the **bathhouse** to relax in the sauna and hot tub.

gymnasium

 a large room or building equipped for indoor sports and physical exercise, typically including weights and exercise machines; a school or institution that emphasizes physical education and athletics

synonym: athletic facility, sports center, fitness center

- (1) **gymnasium** equipment, (2) high school **gymnasium** I go to the local **gymnasium** three times a week to stay in shape.
- vegetables or fruit preserved in salty water or vinegar served cold with meat, salads, etc.; informal terms for a difficult situation

synonym: jam, predicament, quagmire

(1) pickle a cucumber, (2) pickle barrel

The **pickle** must have an acidity level high enough to inhibit the growth of bacteria.

bathtub

pickle

 a large container, typically made of porcelain or acrylic, for holding water in which a person can bathe

synonym: tub, bath, basin

(1) bathtub curve, (2) bathtub drain

I filled the **bathtub** with hot water and a bubble bath for a relaxing soak.

immerse

v. to become fully involved in a particular activity; to dip or submerge in a liquid, especially so that they or it are entirely covered

synonym: dip, inundate, submerge

(1) **immerse** the cloth in the dye, (2) completely **immerse** the ingredient

He **immersed** himself in his research.

buoy

 a floating device typically used to mark a location in a body of water, often used as a navigational aid; a source

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of support or encouragement

synonym: float, marker, beacon

(1) navigation **buoy**, (2) a mooring **buoy**

A red and white striped **buoy** marked the edge of the shipping lane.

displace

v. to force someone or something to leave their home or place of origin, especially as a result of conflict, natural disaster, or manipulation

synonym: evict, exile, remove

(1) **displace** workers, (2) **displace** the explosive power The construction of the new dam will **displace** hundreds of families living downstream.

buoyancy

- n. the ability or tendency of an object to float in a fluid synonym: flotation, levitation, airiness
- (1) **buoyancy** principle, (2) **buoyancy** compensator
 The object's **buoyancy** helped it float on the water's surface.

tanker

- n. a large vessel used for transporting liquids or gases, typically petroleum or natural gas, over long distances
 synonym: oil tanker, freighter, vessel
- (1) LNG **tanker**, (2) chemical **tanker**The oil **tanker** ran aground, causing a devastating environmental disaster.

keel

n. the central longitudinal structural member of a ship or boat that extends along the bottom of the hull and from which the rest of the ship is built; a similar structure in aircraft; (verb) to fall over or collapse, often in the context of fainting or succumbing to exhaustion or heat

synonym: centerboard, stabilizer, blade

(1) keel over right there, (2) inner keel

The ship's **keel** was damaged during the storm, causing it to list to one side.

afloat

adj. floating or staying on the surface of a liquid or body of water; having enough money or resources to stay out of debt or financial trouble

synonym: floating, drifting, buoyant

(1) afloat in debt, (2) cargo afloat

Despite facing financial difficulties, the small business managed to stay **afloat** thanks to its loyal customers.

vagary

 an unpredictable, unexpected, or erratic action, behavior, or occurrence; a whimsical or capricious notion or impulse

synonym: whim, caprice, erratic behavior

(1) strange **vagary**, (2) the **vagary** of public opinion
The **vagary** of traffic can greatly affect commuting time.

corona

 a crown-shaped structure, often referring to the outermost layer of the Sun's atmosphere; a family of viruses known as coronaviruses; a halo or aura around a celestial body; a circular pattern or shape

synonym: crown, halo, circle

(1) **corona** layer, (2) **corona** outbreak

The **corona** virus has caused a global pandemic.

throng

- n. a large crowd of people synonym: crowd, horde, mob
- (1) **throng** of flag-waving, (2) **throng** of emotions

 The **throng** of people made it hard to move through the crowd.

marvel

 someone something that causes feelings of wonder or surprise

synonym: wonder, phenomenon, amazement

a marvel of beauty, (2) technical marvel
 The space shuttle is a modern engineering marvel.

majestic

adj. impressive or grand in appearance, size, or manner; stately

synonym: grand, stately, regal

(1) a **majestic** figure, (2) a **majestic** sense of purpose The **majestic** mountain range was a sight to behold.

titanic

 adj. of or having a great size, power, or influence; of or relating to Titanium (= a light, strong grey, lustrous, corrosion-resistant metallic element)

synonym: colossal, massive, immense

(1) titanic battle, (2) titanic compound

The titanic ship sank on its maiden voyage.

Session 2: Spelling

1. bu____cy principle

2. organic h p

3. f_r forest

4. LNG ta___r

5. k__l over right there

6. cargo af___t

7. a ma ic sense of purpose

- n. the ability or tendency of an object to float in a fluid
- n. a plant related to marijuana that is grown for its fiber, seed, and oil and has many industrial and medicinal uses; the fiber from this plant is used to make rope, paper, textiles, and other products

 a type of tall evergreen tree that is native to the northern hemisphere, with needle-like leaves and cones that stand upright on the branches

 a large vessel used for transporting liquids or gases, typically petroleum or natural gas, over long distances

n. the central longitudinal structural member of a ship or boat that extends along the bottom of the hull and from which the rest of the ship is built; a similar structure in aircraft; (verb) to fall over or collapse, often in the context of fainting or succumbing to exhaustion or heat

adj. floating or staying on the surface of a liquid or body of water; having enough money or resources to stay out of debt or financial trouble

adj. impressive or grand in appearance, size, or manner; stately

ANSWERS: 1. buoyancy, 2. hemp, 3. fir, 4. tanker, 5. keel, 6. afloat, 7. majestic

ANSWERS: 8. majestic, 9. titanic, 10. bathhouse, 11. pickle, 12. promenade, 13. tanker, 14. eureka, 15. immerse

covered

especially so that they or it are entirely

16.	be deed to become a great artist	<i>v</i> .	to determine or set the course of something in advance, often in a way that seems predetermined or inevitable; to specify or choose someone or something for a particular fate or outcome
17.	shed life	adj.	protected or shielded from danger or harmful influences; inexperienced or innocent of certain unpleasantness or harsh realities of life
18.	caIt mechanism	n.	a device used to hurl an object a long distance
19.	coa layer	n.	a crown-shaped structure, often referring to the outermost layer of the Sun's atmosphere; a family of viruses known as coronaviruses; a halo or aura around a celestial body; a circular pattern or shape
20.	powerful calt	n.	a device used to hurl an object a long distance
21.	completely ime the ingredient	v.	to become fully involved in a particular activity; to dip or submerge in a liquid, especially so that they or it are entirely covered
22.	aft in debt	adj.	floating or staying on the surface of a liquid or body of water; having enough money or resources to stay out of debt or financial trouble

ANSWERS: 16. destine, 17. sheltered, 18. catapult, 19. corona, 20. catapult, 21. immerse, 22. afloat, 23. hemp

n.

23. h__p seed

a plant related to marijuana that is

fiber from this plant is used to make

grown for its fiber, seed, and oil and has many industrial and medicinal uses; the

rope, paper, textiles, and other products

24. di ce the explosive power to force someone or something to leave ν. their home or place of origin, especially as a result of conflict, natural disaster, or manipulation someone something that causes 25. technical ma n. feelings of wonder or surprise 26. co___a outbreak a crown-shaped structure, often n. referring to the outermost layer of the Sun's atmosphere; a family of viruses known as coronaviruses; a halo or aura around a celestial body; a circular pattern or shape adj. of or having a great size, power, or 27. ti c battle influence; of or relating to Titanium (= a light, strong grey, lustrous, corrosion-resistant metallic element) a floating device typically used to mark 28. navigation b y n. a location in a body of water, often used as a navigational aid; a source of support or encouragement the ability or tendency of an object to 29. bu____cy compensator n. float in a fluid 30. ba____b curve a large container, typically made of n. porcelain or acrylic, for holding water in which a person can bathe 31. ba____b drain a large container, typically made of porcelain or acrylic, for holding water in which a person can bathe 32. th___g of emotions a large crowd of people n.

ANSWERS: 24. displace, 25. marvel, 26. corona, 27. titanic, 28. buoy, 29. buoyancy, 30. bathtub, 31. bathtub, 32. throng

33.	shed housing	adj.	protected or shielded from danger or harmful influences; inexperienced or innocent of certain unpleasantness or harsh realities of life
34.	dice workers	<i>v</i> .	to force someone or something to leave their home or place of origin, especially as a result of conflict, natural disaster, or manipulation
35.	a mooring by	n.	a floating device typically used to mark a location in a body of water, often used as a navigational aid; a source of support or encouragement
36.	shout "eua!"	n.	exclamation of triumph on discovering something; realization or sudden insight
37.	Turkish base	n.	a public establishment where people can take baths or showers, often including other amenities such as saunas, steam rooms, or swimming pools
38.	strange vay	n.	an unpredictable, unexpected, or erratic action, behavior, or occurrence; a whimsical or capricious notion or impulse
39.	f_r branch	n.	a type of tall evergreen tree that is native to the northern hemisphere, with needle-like leaves and cones that stand upright on the branches
40.	high school gyum	n.	a large room or building equipped for indoor sports and physical exercise, typically including weights and exercise machines; a school or institution that emphasizes physical education and athletics

ANSWERS: 33. sheltered, 34. displace, 35. buoy, 36. eureka, 37. bathhouse, 38. vagary, 39. fir, 40. gymnasium

41. a maI of beauty	n.	someone something that causes feelings of wonder or surprise
42. inner kI	n.	the central longitudinal structural member of a ship or boat that extends along the bottom of the hull and from which the rest of the ship is built; a similar structure in aircraft; (verb) to fall over or collapse, often in the context of fainting or succumbing to exhaustion or heat
43. dee us to meet again	v.	to determine or set the course of something in advance, often in a way that seems predetermined or inevitable; to specify or choose someone or something for a particular fate or outcome
44. thg of flag-waving	n.	a large crowd of people
45. pie barrel	n.	vegetables or fruit preserved in salty water or vinegar served cold with meat, salads, etc.; informal terms for a difficult situation
46. prde in the park	n.	a stroll or walk, often taken in a public place or park; a public place for walking or strolling, often filled with shops or vendors; a dance movement in which the partners move around the floor in a circle or similar pattern
47. the vay of public opinion	n.	an unpredictable, unexpected, or erratic action, behavior, or occurrence; a whimsical or capricious notion or impulse

ANSWERS: 41. marvel, 42. keel, 43. destine, 44. throng, 45. pickle, 46. promenade, 47. vagary

48. gy____um equipment

 a large room or building equipped for indoor sports and physical exercise, typically including weights and exercise machines; a school or institution that emphasizes physical education and athletics

ANSWERS: 48. gymnasium

Session 3: Fill in the Blanks

1. <i>n</i> .	The oil ran aground, causing a devastating environmental disaster. a large vessel used for transporting liquids or gases, typically petroleum or natural gas, over long distances
2. n.	The virus has caused a global pandemic. a crown-shaped structure, often referring to the outermost layer of the Sun's atmosphere; a family of viruses known as coronaviruses; a halo or aura around a celestial body; a circular pattern or shape
3. v.	He himself in his research. to become fully involved in a particular activity; to dip or submerge in a liquid, especially so that they or it are entirely covered
	The ship sank on its maiden voyage. of or having a great size, power, or influence; of or relating to Titanium (= a light, strong grey, lustrous, corrosion-resistant metallic element)
5. n.	The of people made it hard to move through the crowd. a large crowd of people
6. <i>n</i> .	" he exclaimed, finally solving the problem. exclamation of triumph on discovering something; realization or sudden insight
7. n.	A red and white striped marked the edge of the shipping lane. a floating device typically used to mark a location in a body of water, often used as a navigational aid; a source of support or encouragement
AN buo	SWERS: 1. tanker, 2. corona, 3. immersed, 4. titanic, 5. throng, 6. Eureka!", 7.

Vocab-Builder Ref from "Armand D'Angour: The real story behind Archimedes' Eureka! | TED Talk" (24 words)

23.	The ship's	was damaged du	iring the storm.	causing it to li	st to one side.

- n. the central longitudinal structural member of a ship or boat that extends along the bottom of the hull and from which the rest of the ship is built; a similar structure in aircraft; (verb) to fall over or collapse, often in the context of fainting or succumbing to exhaustion or heat
- 24. The clothing company uses sustainable ____ fibers in its products.
 - n. a plant related to marijuana that is grown for its fiber, seed, and oil and has many industrial and medicinal uses; the fiber from this plant is used to make rope, paper, textiles, and other products

ANSWERS: 23. keel, 24. hemp