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Vocabulary Builder Reference from...

Ellen Jorgensen: Biohacking -- you can do it, too |

TED Talk

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

g_you_can_do_it_too



IMPORTANT

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Session 1: Word List

writ

n. a written legal order or command

synonym: legal document, order, legal process

(1) a writ of summons, (2) issue a writ

He was served with a **writ** of eviction, giving him the notice to vacate the property.

revolutionize

v. to bring about a complete or radical change in something, often through the introduction of new methods or ideas

synonym: transform, innovate, modernize

(1) **revolutionize** the industry, (2) **revolutionize** the technology

The invention of the smartphone **revolutionized** the way we communicate with each other.

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.

louse

 a small, wingless insect that lives on the bodies of mammals and birds, often considered a parasite; a



contemptible or despicable person

synonym: bug, insect, parasite

(1) pubic **louse**, (2) **louse** egg

The child was sent home from school because of a lice infestation caused by one **louse**.

hands-on

 adj. actively involved, practical; having hands involved in the doing or making of something

synonym: practical, involved, hands-in

(1) **hands-on** activity, (2) take a **hands-on** approach The **hands-on** workshop allowed attendees to work with tools and materials, developing their skills in a hands-on environment.

aspiration

 a strong desire to achieve something; the action or process of drawing breath

synonym: ambition, inhalation, intake

(1) no **aspiration** for fame, (2) **aspiration** into the lungs He has an **aspiration** to become a doctor.

biohazard

n. a biological substance or infectious agent that poses a threat to human health or the environment, typically requiring special handling, containment, or disposal procedures to prevent the spread of disease or contamination

synonym: biothreat, infectious material

(1) **biohazard** waste, (2) **biohazard** containment Workers in the lab must wear protective clothing due to the **biohazard** materials present.

depress

- v. to make someone feel sad, low in spirits, or without hope; to make markets, businesses, etc., less active synonym: sadden, discourage, deflate
- depress their spirits, (2) depress crop prices
 The economic recession depressed the housing market.

wetware

 the human brain and neurological system, particularly in the context of artificial intelligence and computing

synonym: brain tissue, biological neural network

(1) wetware technology, (2) artificial wetware

The researchers studied the function of the brain's **wetware** to learn more about how it processes information.

compel

v. to force or require someone to do something; to exert a strong, irresistible force or pressure that makes someone act in a certain way

synonym: force, oblige, coerce

(1) **compel** a person to submission, (2) **compel** attention The strict deadlines will **compel** the team to work efficiently.

pathogen

 a bacterium, virus, or other microorganism that causes disease

synonym: germ, microbe, bacterium

(1) plant **pathogen**, (2) the **pathogen** in the air mRNA vaccines are approved faster because they do not contain inactivated **pathogens**.

overestimate

 to estimate something to be greater in amount or importance than it really is

synonym: overrate, overvalue, embellish

(1) **overestimate** the value, (2) **overestimate** the amount of time spent

He tends to **overestimate** his abilities.

underestimate

v. to think or suppose that a quantity, price, or size is smaller than it is

synonym: underrate, misjudge, miscalculate

(1) **underestimate** an enemy, (2) **underestimate** the probability

They frequently **underestimated** their abilities and felt inferior.

superbug

 a strain of bacteria that is resistant to multiple types of antibiotics, making it difficult or impossible to treat with traditional medications

synonym: super bacteria, antibiotic-resistant bacteria

(1) **superbug** outbreak, (2) **superbug** infection The hospital is battling a **superbug** that is resistant to antibiotics.

snowstorm

- n. a storm with heavy snowfall, usually with a strong windsynonym: blizzard, winter storm, snow squall
- (1) **snowstorm** warning, (2) a northern **snowstorm** The news warned of a potentially dangerous **snowstorm** expected to hit the area.

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.

outweigh

v. to be heavier, more significant, or more critical than something

synonym: dominate, outrank, overpower

- (1) **outweigh** the benefit, (2) **outweigh** our wishes The advantages would undoubtedly **outweigh** the disadvantages.
- iceberg n. a large piece of ice floating in the sea, detached from a glacier

synonym: glacier, ice mass, floe

(1) hit an **iceberg**, (2) **iceberg** melting
The ship encountered a series of **icebergs** and had to change its course.

saliva

n. the clear liquid that is secreted into the mouth by glands in the walls of the mouth and throat, helping to lubricate food during chewing and digestion

synonym: spit, drool, slobber

(1) dog's saliva, (2) dry mouth with little saliva

The dentist asked him to spit out the excess **saliva** into the sink.

ladybug

 a small, round, usually red or orange beetle with black spots, which feeds on aphids and other small insects

synonym: ladybird, lady beetle

(1) ladybug on a leaf, (2) ladybug larvae

Some species of **ladybugs** have a strong, unpleasant smell and are also called stink bugs.

beetle

- n. an insect having a hard shell-like back covering its wings
- (1) **beetle** brows, (2) a **beetle** larva

In ancient civilizations, the scarab **beetle** was worshiped as a sacred creature.

barcode

n. a series of parallel lines of varying width and spacing printed on a product or package, which can be read by a barcode scanner to quickly and accurately identify the product and its price

synonym: scan, QR code

(1) barcode reader, (2) product barcode

The cashier scanned the **barcode** on the packaging to ring up the price.

caviar

 the eggs of sturgeon or other large fish considered a delicacy and used especially in appetizers

synonym: roe, sturgeon eggs

(1) salmon caviar, (2) caviar farm

The menu at the fancy restaurant featured a selection of **caviar** from around the world.

beluga

a type of whale found mainly in Arctic and sub-Arctic waters

synonym: white whale, sea canary, beluga sturgeon

(1) **beluga** sturgeon, (2) **beluga** caviar

Beluga whales are known for their distinctive white color and vocalizations.

sushi

 a Japanese dish consisting of vinegared rice, often combined with fish or vegetables and sometimes wrapped in seaweed

synonym: raw fish, sashimi, nigiri

(1) sushi bar, (2) sushi roll

I love going out for **sushi** with my friends on Friday nights.

tuna

- a large fish of the mackerel family, found in warm seas;
 commonly used for commercial and sport fishing and as a food source for humans and other animals
- (1) tuna steak, (2) canned tunaI made a tuna sandwich for lunch today.

ancestry

- n. the family or the ethnic descent that you come from synonym: ancestor, family, descent
- (1) a distinguished **ancestry**, (2) prehuman **ancestry**He looked down on the royal **ancestry** of the neighboring country.

stratosphere

 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**.

microbe

a tiny living thing that can only be seen with a microscope and that may cause disease

synonym: germ, microorganism, bacterium

(1) pathogenic **microbe**, (2) **microbes** sterilizer **Microbes** thrive on the surface of the human skin.

censor

n. a person or institution responsible for examining books, movies, and other forms of media to determine if they are harmful or offensive and should be banned or altered; an official in charge of banning or suppressing information

synonym: suppressor, scrutineer, examiner

(1) **censor** a book, (2) **censor** a TV program

The newspaper editor decided to **censor** the controversial headline to avoid backlash.

pollutant

 a substance or agent that pollutes or contaminates the environment, typically through release into the air, water, or soil

synonym: contaminant, toxic substance

(1) noxious pollutant, (2) water pollutant

The factory's use of chemicals has made it a significant pollutant in the area.

biofuel

 a fuel produced from organic matter, such as crops or waste material, that can be used to replace or supplement traditional fossil fuels

synonym: renewable energy, green fuel, alternative fuel

(1) **biofuel** production, (2) **biofuel** technology The airplane was powered by a **biofuel** made from plant-based materials.

spawn

 to lay eggs or to produce offspring; to cause something to develop

synonym: beget, breed, generate

(1) **spawn** in spring, (2) **spawn** a new concept

The salmon swims upstream to **spawn** in the place they were released.

Session 2: Spelling

1.	revize the technology	ν.	to bring about a complete or radical change in something, often through the introduction of new methods or ideas
2.	undate an enemy	<i>v</i> .	to think or suppose that a quantity, price, or size is smaller than it is
3.	des crop prices	<i>v</i> .	to make someone feel sad, low in spirits, or without hope; to make markets, businesses, etc., less active
4.	strere 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
5.	ta steak	n.	a large fish of the mackerel family, found in warm seas; commonly used fo commercial and sport fishing and as a food source for humans and other animals
6.	cer a TV program	n.	a person or institution responsible for examining books, movies, and other forms of media to determine if they are harmful or offensive and should be banned or altered; an official in charge of banning or suppressing information
7.	take a haon approach	adj.	actively involved, practical; having hands involved in the doing or making of something
8.	coI a person to submission	ν.	to force or require someone to do something; to exert a strong, irresistible force or pressure that makes someone act in a certain way

ANSWERS: 1. revolutionize, 2. underestimate, 3. depress, 4. stratosphere, 5. tuna, 6. censor, 7. hands-on, 8. compel

9.	salmon car	n.	the eggs of sturgeon or other large fish considered a delicacy and used especially in appetizers
10.	ough our wishes	v.	to be heavier, more significant, or more critical than something
11.	snrm warning	n.	a storm with heavy snowfall, usually with a strong wind
12.	dog's saa	n.	the clear liquid that is secreted into the mouth by glands in the walls of the mouth and throat, helping to lubricate food during chewing and digestion
13.	bee brows	n.	an insect having a hard shell-like back covering its wings
14.	mies sterilizer	n.	a tiny living thing that can only be seen with a microscope and that may cause disease
15.	spn in spring	v.	to lay eggs or to produce offspring; to cause something to develop
16.	biI production	n.	a fuel produced from organic matter, such as crops or waste material, that can be used to replace or supplement traditional fossil fuels
17.	oveate the amount of time spent	v.	to estimate something to be greater in amount or importance than it really is
18.	wee technology	n.	the human brain and neurological system, particularly in the context of artificial intelligence and computing
19.	issue a wt	n.	a written legal order or command

ANSWERS: 9. caviar, 10. outweigh, 11. snowstorm, 12. saliva, 13. beetle, 14. microbe, 15. spawn, 16. biofuel, 17. overestimate, 18. wetware, 19. writ

20.	spn a new concept	<i>v</i> .	to lay eggs or to produce offspring; to cause something to develop
21.	lag larvae	n.	a small, round, usually red or orange beetle with black spots, which feeds on aphids and other small insects
22.	synze information	<i>v</i> .	to combine a substance to make a more complex product or compound
23.	des their spirits	<i>v</i> .	to make someone feel sad, low in spirits, or without hope; to make markets, businesses, etc., less active
24.	car farm	n.	the eggs of sturgeon or other large fish considered a delicacy and used especially in appetizers
25.	strere 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
26.	pathogenic mie	n.	a tiny living thing that can only be seen with a microscope and that may cause disease
27.	the paen in the air	n.	a bacterium, virus, or other microorganism that causes disease
28.	hit an icg	n.	a large piece of ice floating in the sea, detached from a glacier
29.	cer a book	n.	a person or institution responsible for examining books, movies, and other forms of media to determine if they are harmful or offensive and should be banned or altered; an official in charge of banning or suppressing information

ANSWERS: 20. spawn, 21. ladybug, 22. synthesize, 23. depress, 24. caviar, 25. stratosphere, 26. microbe, 27. pathogen, 28. iceberg, 29. censor

30.	a northern snrm	n.	a storm with heavy snowfall, usually with a strong wind
31.	a wt of summons	n.	a written legal order or command
32.	no aspon for fame	n.	a strong desire to achieve something; the action or process of drawing breath
33.	lag on a leaf	n.	a small, round, usually red or orange beetle with black spots, which feeds on aphids and other small insects
34.	noxious pont	n.	a substance or agent that pollutes or contaminates the environment, typically through release into the air, water, or soil
35.	meal chemistry	adj.	of or relating to the treatment or cure of disease
36.	water pont	n.	a substance or agent that pollutes or contaminates the environment, typically through release into the air, water, or soil
37.	bird waste	n.	a biological substance or infectious agent that poses a threat to human health or the environment, typically requiring special handling, containment, or disposal procedures to prevent the spread of disease or contamination
38.	revize the industry	ν.	to bring about a complete or radical change in something, often through the introduction of new methods or ideas
39.	icg melting	n.	a large piece of ice floating in the sea, detached from a glacier

ANSWERS: 30. snowstorm, 31. writ, 32. aspiration, 33. ladybug, 34. pollutant, 35. medicinal, 36. pollutant, 37. biohazard, 38. revolutionize, 39. iceberg

40.	aspon into the lungs	n.	a strong desire to achieve something; the action or process of drawing breath
41.	plant paen	n.	a bacterium, virus, or other microorganism that causes disease
42.	bird containment	n.	a biological substance or infectious agent that poses a threat to human health or the environment, typically requiring special handling, containment, or disposal procedures to prevent the spread of disease or contamination
43.	suug infection	n.	a strain of bacteria that is resistant to multiple types of antibiotics, making it difficult or impossible to treat with traditional medications
44.	loe egg	n.	a small, wingless insect that lives on the bodies of mammals and birds, often considered a parasite; a contemptible or despicable person
45.	pubic loe	n.	a small, wingless insect that lives on the bodies of mammals and birds, often considered a parasite; a contemptible or despicable person
46.	suug outbreak	n.	a strain of bacteria that is resistant to multiple types of antibiotics, making it difficult or impossible to treat with traditional medications
47.	synze molecules	v.	to combine a substance to make a more complex product or compound
48.	biI technology	n.	a fuel produced from organic matter, such as crops or waste material, that can be used to replace or supplement traditional fossil fuels

ANSWERS: 40. aspiration, 41. pathogen, 42. biohazard, 43. superbug, 44. louse, 45. louse, 46. superbug, 47. synthesize, 48. biofuel

49.	sui bar	n.	a Japanese dish consisting of vinegared rice, often combined with fish or vegetables and sometimes wrapped in seaweed
50.	a bee larva	n.	an insect having a hard shell-like back covering its wings
51.	prehuman anry	n.	the family or the ethnic descent that you come from
52.	bae reader	n.	a series of parallel lines of varying width and spacing printed on a product or package, which can be read by a barcode scanner to quickly and accurately identify the product and its price
53.	canned ta	n.	a large fish of the mackerel family, found in warm seas; commonly used for commercial and sport fishing and as a food source for humans and other animals
54.	product bae	n.	a series of parallel lines of varying width and spacing printed on a product or package, which can be read by a barcode scanner to quickly and accurately identify the product and its price
55.	a distinguished anry	n.	the family or the ethnic descent that you come from
56.	bea sturgeon	n.	a type of whale found mainly in Arctic and sub-Arctic waters
57.	undate the probability	ν.	to think or suppose that a quantity, price, or size is smaller than it is

ANSWERS: 49. sushi, 50. beetle, 51. ancestry, 52. barcode, 53. tuna, 54. barcode, 55. ancestry, 56. beluga, 57. underestimate

58.	coI attention	<i>v</i> .	to force or require someone to do something; to exert a strong, irresistible force or pressure that makes someone act in a certain way
59.	oveate the value	<i>v</i> .	to estimate something to be greater in amount or importance than it really is
60.	artificial wee	n.	the human brain and neurological system, particularly in the context of artificial intelligence and computing
61.	dry mouth with little saa	n.	the clear liquid that is secreted into the mouth by glands in the walls of the mouth and throat, helping to lubricate food during chewing and digestion
62.	traditional meal	adj.	of or relating to the treatment or cure of disease
63.	haon activity	adj.	actively involved, practical; having hands involved in the doing or making of something
64.	bea caviar	n.	a type of whale found mainly in Arctic and sub-Arctic waters
65.	ough the benefit	<i>v</i> .	to be heavier, more significant, or more critical than something
66.	sui roll	n.	a Japanese dish consisting of vinegared rice, often combined with fish or vegetables and sometimes wrapped in seaweed

ANSWERS: 58. compel, 59. overestimate, 60. wetware, 61. saliva, 62. medicinal, 63. hands-on, 64. beluga, 65. outweigh, 66. sushi

Session 3: Fill in the Blanks

1.	The menu at the fancy restaurant featured a selection of from around the world.
n.	the eggs of sturgeon or other large fish considered a delicacy and used especially in appetizers
2.	The invention of the smartphone the way we communicate with each other.
v.	to bring about a complete or radical change in something, often through the introduction of new methods or ideas
3.	I made a sandwich for lunch today.
n.	a large fish of the mackerel family, found in warm seas; commonly used for commercial and sport fishing and as a food source for humans and other animals
4.	The hospital is battling a that is resistant to antibiotics.
n.	a strain of bacteria that is resistant to multiple types of antibiotics, making it difficult or impossible to treat with traditional medications
5.	The cashier scanned the on the packaging to ring up the price.
n.	a series of parallel lines of varying width and spacing printed on a product or package, which can be read by a barcode scanner to quickly and accurately identify the product and its price
6.	He looked down on the royal of the neighboring country.
n.	the family or the ethnic descent that you come from
7.	The dentist asked him to spit out the excess into the sink.
n.	the clear liquid that is secreted into the mouth by glands in the walls of the mouth and throat, helping to lubricate food during chewing and digestion
	SWERS: 1. caviar, 2. revolutionized, 3. tuna, 4. superbug, 5. barcode, 6. ancestry, saliva

8.	I love going out for with my friends on Friday nights.
n.	a Japanese dish consisting of vinegared rice, often combined with fish or vegetables and sometimes wrapped in seaweed
9.	The strict deadlines will the team to work efficiently.
v.	to force or require someone to do something; to exert a strong, irresistible force or pressure that makes someone act in a certain way
10.	The properties of this herb have been known to help with various ailments.
adj.	of or relating to the treatment or cure of disease
11.	He tends to his abilities.
<i>v</i> .	to estimate something to be greater in amount or importance than it really is
12.	The child was sent home from school because of a lice infestation caused by one
n.	a small, wingless insect that lives on the bodies of mammals and birds, often considered a parasite; a contemptible or despicable person
13.	He has an to become a doctor.
n.	a strong desire to achieve something; the action or process of drawing breath
14. n.	In ancient civilizations, the scarab was worshiped as a sacred creature. an insect having a hard shell-like back covering its wings
15.	The airplane was powered by a made from plant-based materials.
n.	a fuel produced from organic matter, such as crops or waste material, that can be used to replace or supplement traditional fossil fuels
	SWERS: 8. sushi, 9. compel, 10. medicinal, 11. overestimate, 12. louse, 13. iration, 14. beetle, 15. biofuel

ANSWERS: 16. ladybugs, 17. snowstorm, 18. pollutant, 19. writ, 20. outweigh, 21. biohazard, 22. synthesize, 23. underestimated

to think or suppose that a quantity, price, or size is smaller than it is

24.	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
25.	The ship encountered a series of and had to change its course.
n.	a large piece of ice floating in the sea, detached from a glacier
26.	mRNA vaccines are approved faster because they do not contain inactivated
n.	a bacterium, virus, or other microorganism that causes disease
27.	whales are known for their distinctive white color and vocalizations.
n.	a type of whale found mainly in Arctic and sub-Arctic waters
28.	The researchers studied the function of the brain's to learn more about how it processes information.
n.	the human brain and neurological system, particularly in the context of artificial intelligence and computing
29.	The economic recession the housing market.
v.	to make someone feel sad, low in spirits, or without hope; to make markets, businesses, etc., less active
30.	The newspaper editor decided to the controversial headline to avoid backlash.
n.	a person or institution responsible for examining books, movies, and other forms of media to determine if they are harmful or offensive and should be banned or altered; an official in charge of banning or suppressing information
	SWERS: 24. stratosphere, 25. icebergs, 26. pathogens, 27. Beluga, 28. wetware depressed, 30. censor

Vocab-Builder Ref from "Ellen Jorgensen: Biohacking -- you can do it, too | TED Talk" (33 words)

adj. actively involved, practical; having hands involved in the doing or making of something

33. The salmon swims upstream to _____ in the place they were released.

v. to lay eggs or to produce offspring; to cause something to develop

ANSWERS: 31. Microbes, 32. hands-on, 33. spawn