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Vocabulary Builder Reference from...

Karen Scrivener: A concrete idea to reduce carbon emissions | TED Talk

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

Advanced Words Only

IMPORTANT

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Session 1: Word List

human-made

adj. created or produced by humans; artificial

synonym : artificial, unnatural, manufactured

(1) **human-made** climate change, (2) the worst **human-made** disaster

The bridge is a **human-made** structure and was built to span the river.

footprint

n. a mark of a foot, shoe, or animal's foot left on a surface

synonym : footmark, imprint, impression

(1) **footprints** in the snow, (2) the **footprints** of an earlier civilization

We choose transportation that has a smaller carbon **footprint**.

limestone

n. a sedimentary rock that is composed mainly of calcium carbonate, which is the mineral calcite

synonym : calcareous rock, chalk

(1) sheer **limestone** cliffs, (2) **limestone** pavement

The Great Pyramid of Giza was built using blocks of **limestone**.

carbonate

n. a carbonic acid salt or ester that contains the anion CO₃

(1) sodium **carbonate**, (2) alkaline **carbonate**

The explosive chemical reaction does not occur in all sodium **carbonate**.

calcine

v. to heat a material to a very high temperature to remove volatile substances and reduce it to a powder

synonym: burn, incinerate, roast

(1) **calcine** the clay, (2) **calcine** the samples

The chemist carefully **calcined** the limestone in a high-temperature furnace to create quicklime for the experiment.

pervasive

adj. spreading or existing throughout every part of a thing or place

synonym: extensive, ubiquitous, prevalent

(1) **pervasive** language, (2) the **pervasive** odor of garlic

Suspicion and worry were **pervasive** in our minds.

commercialize

v. to make something available for sale or use on a large scale

synonym: monetize, capitalize, marketize

(1) **commercialize** my patents, (2) **commercialize** idea

The company is trying to **commercialize** its new product.

ivory

n. a hard, creamy-white substance that comes from the tusks of elephants, walruses, and some other animals and is used to make ornaments and other decorative items

synonym: elephant tusk, bone, tooth

(1) tower of **ivory**, (2) **ivory** carving

The intricate carvings on the **ivory** tusk were a work of art.

Session 2: Spelling

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|----------------------------------|--|
| 1. ca_____e the clay | <i>v.</i> to heat a material to a very high temperature to remove volatile substances and reduce it to a powder |
| 2. com_____ize idea | <i>v.</i> to make something available for sale or use on a large scale |
| 3. the worst hum_____de disaster | <i>adj.</i> created or produced by humans; artificial |
| 4. pe_____ve language | <i>adj.</i> spreading or existing throughout every part of a thing or place |
| 5. iv__y carving | <i>n.</i> a hard, creamy-white substance that comes from the tusks of elephants, walruses, and some other animals and is used to make ornaments and other decorative items |
| 6. the pe_____ve odor of garlic | <i>adj.</i> spreading or existing throughout every part of a thing or place |
| 7. li_____ne pavement | <i>n.</i> a sedimentary rock that is composed mainly of calcium carbonate, which is the mineral calcite |
| 8. hum_____de climate change | <i>adj.</i> created or produced by humans; artificial |
| 9. ca_____e the samples | <i>v.</i> to heat a material to a very high temperature to remove volatile substances and reduce it to a powder |
| 10. com_____ize my patents | <i>v.</i> to make something available for sale or use on a large scale |

ANSWERS: 1. calcine, 2. commercialize, 3. human-made, 4. pervasive, 5. ivory, 6. pervasive, 7. limestone, 8. human-made, 9. calcine, 10. commercialize

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|---|--|
| 11. fo_____nts in the snow | <i>n.</i> a mark of a foot, shoe, or animal's foot left on a surface |
| 12. tower of iv__y | <i>n.</i> a hard, creamy-white substance that comes from the tusks of elephants, walruses, and some other animals and is used to make ornaments and other decorative items |
| 13. alkaline ca_____te | <i>n.</i> a carbonic acid salt or ester that contains the anion CO ₃ |
| 14. the fo_____nts of an earlier civilization | <i>n.</i> a mark of a foot, shoe, or animal's foot left on a surface |
| 15. sheer li_____ne cliffs | <i>n.</i> a sedimentary rock that is composed mainly of calcium carbonate, which is the mineral calcite |
| 16. sodium ca_____te | <i>n.</i> a carbonic acid salt or ester that contains the anion CO ₃ |

ANSWERS: 11. footprint, 12. ivory, 13. carbonate, 14. footprint, 15. limestone, 16. carbonate

Session 3: Fill in the Blanks

1. We choose transportation that has a smaller carbon _____.
n. a mark of a foot, shoe, or animal's foot left on a surface
2. The bridge is a _____ structure and was built to span the river.
adj. created or produced by humans; artificial
3. The chemist carefully _____ the limestone in a high-temperature furnace to create quicklime for the experiment.
v. to heat a material to a very high temperature to remove volatile substances and reduce it to a powder
4. The intricate carvings on the _____ tusk were a work of art.
n. a hard, creamy-white substance that comes from the tusks of elephants, walruses, and some other animals and is used to make ornaments and other decorative items
5. The company is trying to _____ its new product.
v. to make something available for sale or use on a large scale
6. The explosive chemical reaction does not occur in all sodium _____.
n. a carbonic acid salt or ester that contains the anion CO_3
7. Suspicion and worry were _____ in our minds.
adj. spreading or existing throughout every part of a thing or place
8. The Great Pyramid of Giza was built using blocks of _____.
n. a sedimentary rock that is composed mainly of calcium carbonate, which is the mineral calcite

ANSWERS: 1. footprint, 2. human-made, 3. calcined, 4. ivory, 5. commercialize, 6. carbonate, 7. pervasive, 8. limestone

ANSWERS: