

Lesson Plan

Invention Vocab Words

Book: *Clothing Inspired by Nature*

Series: Technology Inspired by Nature

Level: Navigator

Objective

To help students practice using glossaries and context clues to determine the meaning of words related to organisms and inventions.

Supplies

- *Clothing Inspired by Nature* book
- Invention Vocab Words worksheet (attached)

Before the Activity

Read *Clothing Inspired by Nature*, or assign it to students to read on their own. Print one Invention Vocab Words worksheet for each student.

Activity

Give each student an Invention Vocab Words worksheet. The word bank at the top of the worksheet includes several words from the *Clothing Inspired by Nature* book. Some of these words are part of the book's glossary. Others are described in the book's main text. Students should write each word in the blank next to its definition. Each word will be used only once.

Evaluation

Use the attached answer key to give students 1 point for matching each term to the correct definition, for a total of 14 points.

Standards

This lesson may be used to address the Common Core State Standards' language standards, grade 5 (L 5.4) and the National Science Education Standards' Content Standard E, grades 5–8.

Invention Vocab Words

Word Bank		
Artificial	Cellulose	Fiber
DNA	Bacteria	Protective
Biomimicry	Yeast	Oxygen
Transpiration	Algae	Camouflage
Pollination	Carbon	
Fertilizer	Protein	

- _____ means designed to keep something safe.
- _____ is the process by which bees spread pollen from flower to flower.
- _____ are single-celled living things that can be either useful or harmful.
- _____ is a type of fungus that is used to make several foods and drinks.
- _____ is a thin strand of material.
- _____ is a molecule that is important in telling a living cell what to do.
- _____ is a pattern that looks like its surroundings.
- _____ is the genetic material in the cells of living things.
- _____ is one of the basic chemical elements of all living things.
- _____ is one of the substances released by plants during transpiration.
- _____ is a substance that helps plants grow.
- _____ is the process by which plants give off extra water.
- _____ is studying and imitating plants and animals to solve problems.
- _____ is a substance that forms on the surface of kombucha.
- _____ are small living organisms that can be found in water.
- _____ means made by humans instead of occurring naturally.

Invention Vocab Words **ANSWER KEY**

Word Bank		
Artificial	Cellulose	Fiber
DNA	Bacteria	Protective
Biomimicry	Yeast	Oxygen
Transpiration	Algae	Camouflage
Pollination	Carbon	
Fertilizer	Protein	

1. Protective means designed to keep something safe.
2. Pollination is the process by which bees spread pollen from flower to flower.
3. Bacteria are single-celled living things that can be either useful or harmful.
4. Yeast is a type of fungus that is used to make several foods and drinks.
5. Fiber is a thin strand of material.
6. Protein is a molecule that is important in telling a living cell what to do.
7. Camouflage is a pattern that looks like its surroundings.
8. DNA is the genetic material in the cells of living things.
9. Carbon is one of the basic chemical elements of all living things.
10. Oxygen is one of the substances released by plants during transpiration.
11. Fertilizer is a substance that helps plants grow.
12. Transpiration is the process by which plants give off extra water.
13. Biomimicry is studying and imitating plants and animals to solve problems.
14. Cellulose is a substance that forms on the surface of kombucha.
15. Algae are small living organisms that can be found in water.
16. Artificial means made by humans instead of occurring naturally.