

Active Earth Vocabulary

Overview:

Learning vocabulary is an essential step in understanding a concept. This lesson will review vocabulary associated with Unit 3: “Active Earth.”

Objectives:

The student will be able to match the following terms to their definitions: convergent, transform, divergent, tectonics, Pangaea, asthenosphere, lithosphere and plates.

Materials:

- *Ola Ka Honua: Volcanoes Alive* interactive DVD
- Student Worksheet: “Crossword Puzzle”

Activity Procedure:

Distribute the Student Worksheet: “Crossword Puzzle” and ask students to complete it by writing the correct word in the puzzle. Allow students to review the *Ola Ka Honua: Volcanoes Alive* interactive DVD to find the terms and their definitions.

Answers to Student Worksheet:

Across:

- 3. convergent
- 5. transform
- 7. divergent
- 8. asthenosphere

Down:

- 1. plates
- 2. tectonics
- 4. lithosphere
- 6. Pangaea

The crossword puzzle grid is filled with the following words:

- Across 3:** CONVERGENT
- Across 5:** TRANSFORM
- Across 7:** DIVERGENT
- Across 8:** ASTHENOSPHERE
- Down 1:** PLATES
- Down 2:** TECTONICS
- Down 4:** LITHOSPHERE
- Down 6:** PANGAEA

Crossword Puzzle

Directions: Use the clues provided below to fill in the crossword puzzle.

Across:

3. A plate boundary created when two of Earth's plates move toward each other.
5. A plate boundary created when two of Earth's plates slide past each other.
7. A plate boundary created when two of Earth's plates move away from each other.
8. A soft, jellylike layer that lies beneath the lithosphere.

Down:

1. Earth's lithosphere is broken into pieces that scientists call _____.
2. Plate _____ is the name of the theory describing the movement of Earth's plates.
4. Earth's crust and the top of Earth's mantle form a solid layer called the _____.
6. The name of an ancient continent that means "all lands" in Greek.

