

Earth's Crust Scavenger Hunt

Overview:

As students navigate the “Earth’s Crust” unit of the *Ola Ka Honua: Volcanoes Alive* interactive DVD, they will identify key information by finding the answers to questions on the Student Worksheet: “Earth’s Crust Scavenger Hunt.”

Objectives:

The student will research information by interacting with the *Ola Ka Honua: Volcanoes Alive* interactive DVD.

Materials:

- *Ola Ka Honua: Volcanoes Alive* interactive DVD
- Student Worksheet: “Earth’s Crust Scavenger Hunt”



Activity Procedure:

Distribute the *Ola Ka Honua: Volcanoes Alive* interactive DVD and the Student Worksheet: “Earth’s Crust Scavenger Hunt.” Ask students to complete the worksheet by navigating through the DVD.

Answers to Student Worksheet:

1. Harry Hammond Hess
2. magma
3. divergent
4. lava
5. trenches
6. volcanoes
7. b) rock closest to the spreading center
8. hotspot

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Directions: Use Unit 4 of the *Ola Ka Honua: Volcanoes Alive* DVD to help you answer the questions below.

1. Who developed the theory of ocean floor spreading? _____
2. What is the name for hot, molten rock that forms deep inside Earth's mantle? _____
3. Mid ocean ridges form at what type of plate boundary? _____
4. What does magma become when it reaches Earth's surface? _____
5. Convection current carries new ocean floor away from mid ocean ridges toward deep, V-shaped _____ that form at convergent plate boundaries.
6. What is the name for vents in Earth's crust through which lava, gas and ash are forced out?

7. The newest rock at an ocean floor spreading center is:
 - a) rock farthest from the spreading center
 - b) rock closest to the spreading center
 - c) all rock is the same age
8. What is the name for a narrow plume of magma that rises from Earth's mantle to the surface?
