

## 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?  
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