

## Active Earth Scavenger Hunt

### **Overview:**

As students navigate the “Active Earth” 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: “Active Earth 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: “Active Earth Scavenger Hunt”



### **Activity Procedure:**

Distribute the *Ola Ka Honua: Volcanoes Alive* interactive DVD and the Student Worksheet: “Active Earth Scavenger Hunt.” Ask students to complete the worksheet by navigating the DVD to learn the answers to the questions.

### **Answers to Student Worksheet:**

1. Alfred Wegener
2. Pangaea
3. lithosphere
4. asthenosphere
5. convection currents
6. plate tectonics
7. Divergent
8. Convergent
9. subducted
10. transform

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**Directions:** Use Unit 3 of the *Ola Ka Honua: Volcanoes Alive* interactive DVD to help you answer the questions below.

1. In the 1900s, a German scientist noticed that Earth’s continents looked like pieces of a puzzle. What was the scientist’s name?  
\_\_\_\_\_
  
2. What is the name of an ancient continent that means “all lands” in Greek?  
\_\_\_\_\_
  
3. Earth’s crust and the top of Earth’s mantle form a solid layer called the \_\_\_\_\_.
  
4. Under the lithosphere, lies a soft, jellylike layer called the \_\_\_\_\_.
  
5. What kind of currents pull and push at the lithosphere, causing it to break into pieces, which scientists call “plates”? \_\_\_\_\_
  
6. What is the name of the theory describing the movement of Earth’s plates?  
\_\_\_\_\_
  
7. \_\_\_\_\_ boundaries are created where plates move apart.
  
8. \_\_\_\_\_ boundaries occur where plates move toward each other.
  
9. When an oceanic and a continental plate collide at a convergent boundary, the oceanic plate is \_\_\_\_\_ or pushed under the continental plate.
  
10. What kind of plate boundary is also known as a “strike-slip” boundary, created when plates slide past each other? \_\_\_\_\_