Active Earth Scavenger Hunt

Overview:

As students navigate the "Active Earth" unit of the *Ola Ka Honua: Volcanoes Alive* multimedia and video playlist, 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* multimedia and video playlist.

Materials:

- *Ola Ka Honua: Volcanoes Alive* multimedia and video playlist
- Student Worksheet: "Active Earth Scavenger Hunt"

Activity Procedure:

Explore the *Ola Ka Honua: Volcanoes Alive* multimedia and video playlist and the Student Worksheet: "Active Earth Scavenger Hunt." Ask students to complete the worksheet by navigating the playlist 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

Name:_____ **Student Worksheet**

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Directions: Use Unit 3 of the *Ola Ka Honua: Volcanoes Alive* multimedia and video playlist 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? _____

