

Planet Earth Scavenger Hunt

Overview:

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



Activity Procedure:

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

Answers to Student Worksheet:

1. four billion
2. sun, planets
3. Pierre Laplace
4. rocks
5. lava
6. heavy, lighter
7. inner core
8. outer core
9. mantle
10. crust
11. convection or convection current

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Directions: Use Unit 2 of the *Ola Ka Honua: Volcanoes Alive* interactive DVD to answer the questions below.

1. Earth and other planets in our solar system came from a giant dust and gas cloud that began condensing and spinning about how long ago? _____ years
2. Hot gas from the spinning cloud formed the _____, while rock flying out from the cloud crashed together to form _____.
3. Who established the nebular theory that explains the formation of our solar system?

4. After Earth first formed, it was hit by _____ blasting through space.
5. What substance cooled and created a hard outer crust on Earth? _____
6. As Earth formed, _____ materials sank to the center of Earth, while _____ elements stayed closer to the surface.
7. Which of Earth's layers is a solid ball created by outside pressures squeezing in on it?

8. Which of Earth's layers is so hot it acts like a liquid? _____
9. Which of Earth's layers is solid, but high temperatures can soften it and cause it to change shape, like thick, melting plastic? _____
10. Name Earth's thinnest layer. _____
11. The different temperatures in Earth's layers create what kind of current?
