

Planet Earth Scavenger Hunt

Overview:

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

Materials:

- *Ola Ka Honua: Volcanoes Alive* multimedia and video playlist
- Student Worksheet: “Planet Earth Scavenger Hunt”



Activity Procedure:

Distribute the *Ola Ka Honua: Volcanoes Alive* multimedia and video playlist and the Student Worksheet: “Planet 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. 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

Planet Earth Scavenger Hunt



Directions: Use Unit 2 of the *Ola Ka Honua: Volcanoes Alive* multimedia and video playlist 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?
