

Volcanoes Scavenger Hunt

Overview:

As students navigate the “Volcanoes” 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: “Volcanoes 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: “Volcanoes Scavenger Hunt”



Activity Procedure:

Explore the *Ola Ka Honua: Volcanoes Alive* multimedia and video playlist and the Student Worksheet: “Volcanoes Scavenger Hunt.” Ask students to complete the worksheet by navigating the playlist to learn the answers to the questions.

Answers to Student Worksheet:

1. Pliny the Elder
2. shield volcano
3. hotspot
4. composite volcano
5. pāhoehoe
6. ‘a‘ā
7. pillow lava
8. tephra
9. ash
10. cinder
11. c) heavy blocks or bombs

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Directions: Use Unit 5 of the *Ola Ka Honua: Volcanoes Alive* multimedia and video playlist to help you answer the questions below.

1. Who is considered to be the world's first volcanologist? _____
2. What kind of volcano forms at ocean floor spreading centers and hotspots?

3. What is the name for a plume of magma that migrates toward Earth's surface from one spot?

4. What type of volcano forms at convergent plate boundaries? _____
5. What type of lava has a smooth, solid surface and flows slower than most people walk?

6. What type of lava is sticky, with flows that move fast enough to rip its outer shell as it forms, creating a jagged, loose surface with razor-sharp edges? _____
7. What is the name for slow-moving lava that has cooled underwater? _____
8. What is the name for a solid material that has been shot into the air or underwater by an explosive volcano? _____
9. What tephra is so small and light it can be carried in wind around the world? _____
10. What is the name of medium-sized tephra that is heavier and falls closer to the eruption site than ash, and can create short cinder cone volcanoes? _____
11. Which tephra usually lands closest to a volcano that has just erupted?
 - a) lightweight ash
 - b) medium weight cinder
 - c) heavy blocks or bombs