

Hawai‘i Volcanoes Scavenger Hunt

Overview:

As students navigate the “Hawai‘i 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: “Hawai‘i Volcanoes Scavenger Hunt.”

Objective:

The student will research information by interacting with the *Ola Ka Honua: Volcanoes Alive* interactive DVD.

Materials:

- *Ola Ka Honua: Volcanoes Alive* multimedia and video playlist
- Student Worksheet: “Hawai‘i Volcanoes Scavenger Hunt”



Procedure:

Distribute the *Ola Ka Honua: Volcanoes Alive* multimedia and video playlist and the Student Worksheet: “Hawai‘i Volcanoes 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. J. Tuzo Wilson
2. chain
3. new
4. old
5. shield
6. (b) submarine
7. (c) shield-building
8. (e) capping
9. (d) late
10. (a) atoll

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Directions: Use Unit 6 of the *Ola Ka Honua: Volcanoes Alive* multimedia and video playlist to help you answer the questions below.

1. What is the name of the scientist who introduced the theory that the Hawaiian Islands formed as Earth's plates moved over a hotspot in Earth's mantle?

2. A _____ of volcanoes is formed as Earth's Pacific Plate moves continually over a hotspot.
3. Are the volcanoes found close to a hotspot new or old? _____
4. Are the volcanoes found far from a hotspot new or old? _____
5. Hawaiian volcanoes are _____ volcanoes in different stages of growth.
6. What stage of volcano growth occurs below sea level?
a) atoll b) submarine c) shield-building d) late e) capping
7. During what stage of volcano growth is the volcano directly over the hotspot?
a) atoll b) submarine c) shield-building d) late e) capping
8. During what stage of volcano growth are volcanoes capped with cinder cones and lava flows?
a) atoll b) submarine c) shield-building d) late e) capping
9. During what stage of volcano growth does growth slow as the volcano ages?
a) atoll b) submarine c) shield-building d) late e) capping
10. What stage of growth is a volcano in when it has moved so far from the hotspot that no more magma remains to rise to the surface and volcano growth stops?
a) atoll b) submarine c) shield-building d) late e) capping