Monitoring Volcanoes Scavenger Hunt

Overview:

As students navigate the "Monitoring 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: "Monitoring 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: "Monitoring Volcanoes Scavenger Hunt"



Activity Procedure:

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

Answers to Student Worksheet:

- 1. lono
- 2. Princess Ruth Ke'elikōlani
- 3. Thomas Augustus Jaggar, Jr.
- 4. b) Electronic Distance Measurement (EDM)
- 5. a) Global Positioning System (GPS)
- 6. slope
- 7. seismometers
- 8. true
- 9. lava supply
- 10. GIS (Geographic Information System)

Name:	_ Student Worksheet
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Directions: Use Unit 7 of the *Ola Ka Honua: Volcanoes Alive* multimedia and video playlist to help you answer the questions below.

with	detailed observations?		
Wha	nt female relative of Kamehameha traveled to Hilo	when	a lava flow threatened the town?
Nam	ne the scientist who founded the Hawai'i Volcano	Observ	atory.
	ch instrument is used to measure the time it takes effected back is:	for a la	aser beam to travel across a caldera and
a)	Global Positioning System (GPS)	c)	Correlation Spectrometer (COSPEC)
b)	Electronic Distance Measurement (EDM)	d)	Seismometer
	type of receiver calculates the width of a caldera em of satellites.	by rece	eiving sensitive radio signals from a
a)	Global Positioning System (GPS)	c)	Correlation Spectrometer (COSPEC)
b)	Electronic Distance Measurement (EDM)	d)	Seismometer
	ntists use tiltmeters to determine how changes in ace. Specifically, a tilmeter is used to measure changes in ace.	_	
Eart	hquake vibrations are recorded by this instrument	buried	in the ground.
	ar	e speci	al charts or records of Earth vibrations.
Wha	at does the following formula measure? Depth x V	Width x	Velocity