Monitoring Volcanoes Scavenger Hunt

Overview:

As students navigate the "Monitoring Volcanoes" unit of the *Ola Ka Honua: Volcanoes Alive* interactive DVD, 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* interactive DVD.

Materials:

- Ola Ka Honua: Volcanoes Alive interactive DVD
- Student Worksheet: "Monitoring Volcanoes Scavenger Hunt"



Activity Procedure:

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

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* interactive DVD to help you answer the questions below.

e the scientist who founded the Hawai'i Volcano ch instrument is used to measure the time it takes effected back is: Global Positioning System (GPS) Electronic Distance Measurement (EDM) type of receiver calculates the width of a caldera	Observ	ratory.
ch instrument is used to measure the time it takes flected back is: Global Positioning System (GPS) Electronic Distance Measurement (EDM)	s for a la	aser beam to travel across a caldera and Correlation Spectrometer (COSPEC)
flected back is: Global Positioning System (GPS) Electronic Distance Measurement (EDM)	c)	Correlation Spectrometer (COSPEC)
Electronic Distance Measurement (EDM)		<u>*</u>
	d)	Seismometer
type of receiver calculates the width of a caldera		
em of satellites.	by rece	eiving sensitive radio signals from a
Global Positioning System (GPS)	c)	Correlation Spectrometer (COSPEC)
Electronic Distance Measurement (EDM)	d)	Seismometer
•	_	
nquake vibrations are recorded by this instrument	t buried	in the ground.
aı	re speci	al charts or records of Earth vibrations.
t does the following formula measure? Depth x	Width x	Velocity
	ce. Specifically, a tilmeter is used to measure chaquake vibrations are recorded by this instrumen at does the following formula measure? Depth x	ntists use tiltmeters to determine how changes in magmace. Specifically, a tilmeter is used to measure changes in aquake vibrations are recorded by this instrument buried are specified are specified does the following formula measure? Depth x Width x that computer software compiles GPS data to create maps of