

Volcanoes Beyond Earth Vocabulary

Overview:

Volcanoes exist on a number of planets and moons other than Earth. In this activity, students review facts about volcanoes beyond Earth by matching words to their descriptions.

Objectives:

The student will associate the following terms with their definitions: caldera, lunar plains, impact crater, Triton, cryovolcanoes, Titan, Mars, Io.

Materials:

- *Ola Ka Honua: Volcanoes Alive* interactive DVD
- Student Worksheet: “Volcanoes Beyond Earth Vocabulary”

Activity Procedure:

Distribute the Student Worksheet: “Volcanoes Beyond Earth Vocabulary.” Explain that students will use clues from the *Ola Ka Honua: Volcanoes Alive* DVD to complete the worksheet.

Answers to Student Worksheet:

1. d
2. f
3. g
4. a
5. b
6. h
7. c
8. e

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Directions: Write the letter of the correct definition next to each word.

- | | |
|------------------------|------------------------|
| 1. _____ caldera | 5. _____ impact crater |
| 2. _____ Triton | 6. _____ Titan |
| 3. _____ lunar plains | 7. _____ Io |
| 4. _____ cryovolcanoes | 8. _____ Mars |

Definitions:

- Volcanoes made from super-cooled methane gas or other liquids
- A depression that forms when a meteorite collides with a planet
- The most volcanically active body in the solar system
- A depression on a planet's surface formed from volcanic activity
- The planet with volcanoes 10-100 times larger than those on Earth
- A moon of Neptune that has volcanoes
- Large, dark areas on Earth's moon formed from old volcanic flows
- A moon of Saturn that has volcanoes