

## 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* multimedia and video playlist
- 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* playlist 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:**

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