

# Hazard Simulator Vocabulary

**Overview:**

Different kinds of volcanoes pose diverse hazards to people and structures. In this activity, students work through a crossword puzzle to learn vocabulary associated with volcanic hazards.

**Objectives:**

The student will associate the following terms with their definitions in a volcanic context: Pyroclastic, ash deposits, explosive, shield, composite, lahar, gas.

**Materials:**

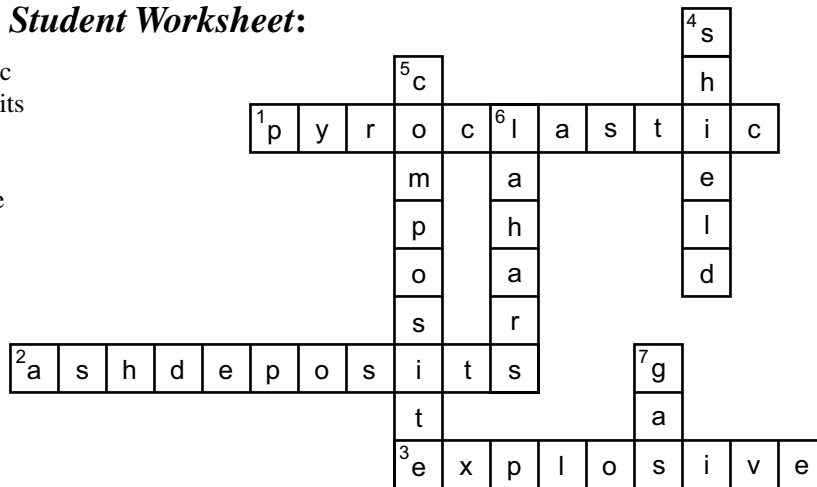
- *Ola Ka Honua: Volcanoes Alive* interactive DVD
- Student Worksheet: “Hazard Simulator Vocabulary”

**Activity Procedure:**

Distribute the Student Worksheet: “Hazard Simulator Vocabulary.” Instruct students to use clues from the *Ola ka Honua: Volcanoes Alive* interactive DVD to complete the crossword puzzle.

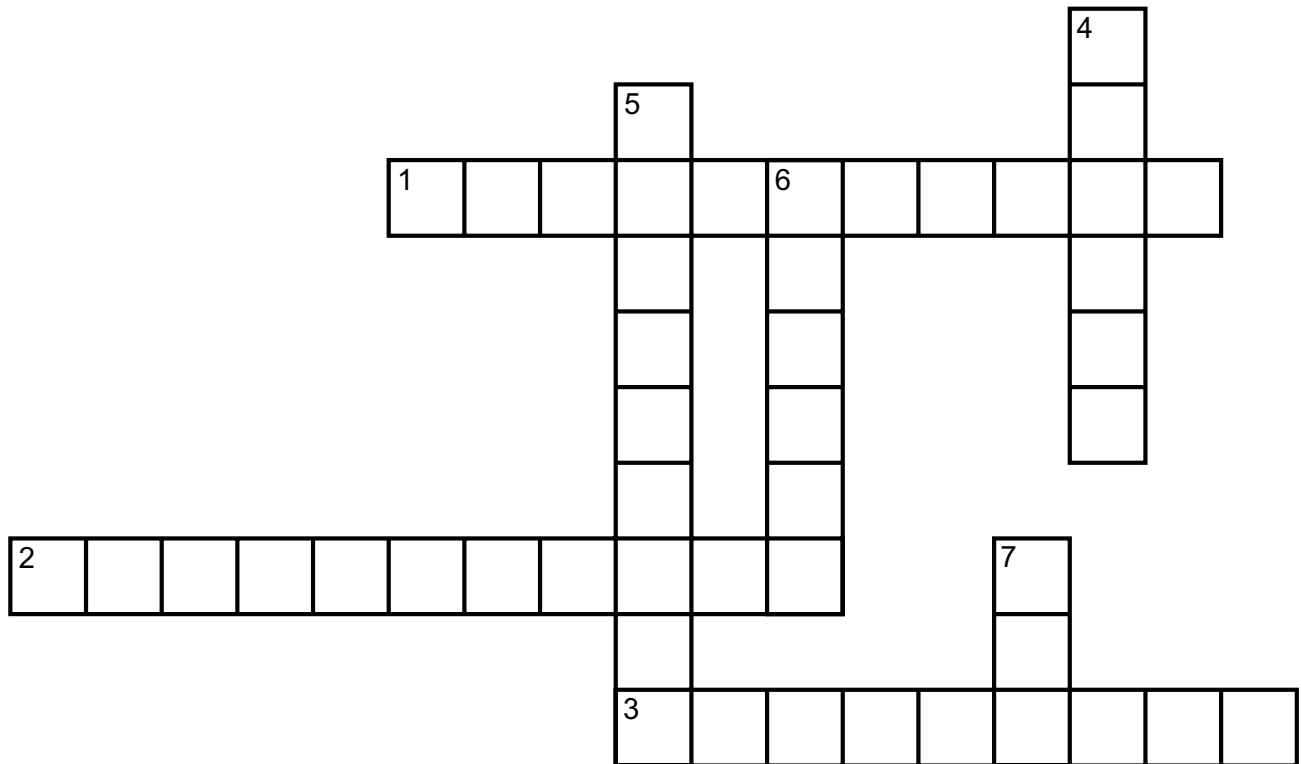
**Answers to Student Worksheet:**

1. pyroclastic
2. ash deposits
3. explosive
4. shield
5. composite
6. lahars
7. gas



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**Directions:** Use the clues below to complete the crossword puzzle. The number of the clue corresponds to the number in the puzzle.



**Across:**

1. Warm and sticky magma combined with no water can create a \_\_\_\_\_ flow.
2. Past eruptions can leave \_\_\_\_\_ on volcanoes.
3. Saturated ground can contribute to an \_\_\_\_\_ eruption when rain combines with hot and runny magma.

**Down:**

4. Hot and runny magma creates a \_\_\_\_\_ volcano.
5. Warm and sticky magma creates a \_\_\_\_\_ volcano.
6. During an eruption, melting ice caps create \_\_\_\_\_.
7. \_\_\_\_\_ can escape from a volcano before an eruption when hot and runny magma combines with no water.