



Teacher Resource

# Tourist Volcanoes

## Focus Questions

Discuss the BTN High story as a class and record the main points of discussion. Students will then respond to the following:

1. What's the name of hot melted rock found deep below the surface of a volcano?
2. What is a tectonic plate?
3. Iceland is on the border of which two tectonic plates?
  - a. The North American Plate and the Eurasian Plate
  - b. The Eurasian Plate and the African Plate
  - c. The Arabian Plate and the Eurasian Plate
4. What are the two different categories of volcanic eruptions?
5. How much of the Earth's total lava flow comes from Icelandic volcanoes?
  - a. One-third
  - b. Half
  - c. Three-quarters
6. What happens when an explosive eruption occurs?
7. What kind of eruption is common in Iceland?
  - a. Photomagmatic
  - b. Phreatomagmatic
  - c. Pyro magmatic

## Activities

- Create an interactive map that shows where the world's major and minor tectonic plates are. Label and add information boxes to each one. You can use programs such as PowerPoint or Canva.
- Research a world-famous volcano. Create a slideshow presentation or a social media video about where it is located and its volcanic history.
- Create a 3D model of a volcano. Label the features of a volcano or make it interactive.

### EPISODE 81

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### KEY LEARNING

Students will learn about volcanoes and how they occur. They will discover how Iceland is home to volcanic eruptions.

### CURRICULUM

[Science – Year 9 \(v8.4\)](#)

[Science - Year 8 \(v9.0\)](#)

[Geography - Year 8 \(v8.4\)](#)

[Geography - Year 8 \(v9.0\)](#)