

Finn's Volcanic Geography Adventure

Learning objective: To identify the key parts of a volcano and understand how they are formed.

Read the questions carefully and use your knowledge of physical geography to answer. Finn the dolphin needs your help to map these geological features!

Finn the dolphin has been mapping the world's oceans and has discovered some incredible underwater mountains that occasionally erupt. Use your geography skills to help Finn label and explain how these powerful volcanoes work.

Word bank: Magma · Lava · Crater · Vent · Tectonic plates · Eruption · Ash

1. Explain the difference between 'magma' and 'lava'. (2 marks)

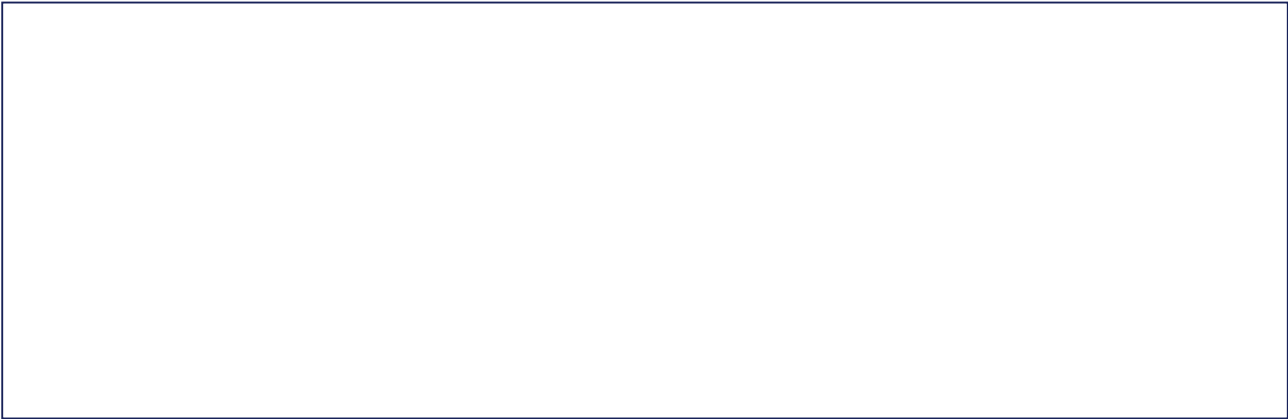
2. What is the name of the bowl-shaped opening at the very top of a volcano? (1 mark)

3. Volcanoes often form where two tectonic plates meet. Describe what happens to the earth's surface at these boundaries. (2 marks)

4. List three things that are released during a volcanic eruption. (3 marks)

5. If a volcano has not erupted for a very long time, it is often called 'dormant'. Why might it be dangerous to live near a dormant volcano? (2 marks)

Draw: Draw a cross-section diagram of a volcano. Label the magma chamber, the vent, and the crater. Add a small drawing of Finn the dolphin swimming in the ocean nearby for scale!



Extension challenge: Research the 'Ring of Fire'. Write a short paragraph explaining why so many volcanoes are found in this specific area of the world.