

Finn's Volcanic Voyage: A Journey to the Earth's Core

Learning objective: To understand the structure of a volcano and the processes that occur during an eruption.

Finn the dolphin has been mapping the ocean floor and has discovered a new volcanic island! Use the words from the bank to label the diagram of the volcano below. Once you have labelled the parts, answer the questions to show how much you know about how volcanoes work.

Word bank: Magma · Lava · Vent · Crater · Ash Cloud · Crust

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

2. 2. Why do you think the 'vent' is such an important part of a volcano? (2 marks)

3. 3. Some volcanoes are 'active' and some are 'dormant'. What do these words mean? (2 marks)

4. 4. If a tourist trip to see a dormant volcano costs £15.50 per person, how much would it cost for a group of 4 people? (2 marks)

5. 5. Describe what happens to the land around a volcano after the lava has cooled down. (2 marks)

Draw: Draw a large volcano on a piece of paper. Use your labels from the word bank to point to the different sections: the crater at the top, the vent running through the middle, the crust at the base, and a plume of ash rising into the sky.



Extension challenge: Research a famous historical volcanic eruption. Write a short diary entry from the perspective of someone living near the mountain on the day of the eruption.