

Volcano Explorer's Fact-File: A Guide by Finn the Dolphin

Learning objective: To identify and describe the key components and processes of a volcano, as part of Year 4 Geography.

Join Finn the Dolphin on an expedition to study volcanoes! Use your research skills to complete this fact-file. Remember to use clear, scientific language and check your spelling. You can use the word bank to help you complete your entries.

Word bank: Magma · Lava · Crater · Vent · Tectonic Plates · Eruption · Ash · Dormant · Active

1. Location and Formation: Where are volcanoes often found, and what happens to the Earth's surface when tectonic plates move? (2 marks)

2. The Anatomy of a Volcano: Describe the difference between 'magma' and 'lava' using the correct geographical terms. (2 marks)

3. Types of Eruptions: Explain the difference between an 'active' volcano and a 'dormant' volcano. (2 marks)

4. Environmental Impact: List two ways an eruption might change the local landscape or the air quality. (2 marks)

5. Volcanic Facts: Write one interesting fact you have learned about how volcanoes can create new land (such as islands). (1 mark)

Extension challenge: Imagine you are a scientist living near a volcano. Write a short paragraph explaining one piece of equipment you would use to monitor if the volcano is about to erupt.