Finn’s Volcano Explorer Sheet

Learning objective: To understand and label the physical features of a volcano and explain how they are formed.

Help Finn the dolphin explore the geography of a volcanic mountain. Follow the steps to draw and label your own volcano diagram.

Draw: Draw a cross-section of a volcano on a landscape background. Use a clear, scientific style. The drawing should show the internal structure of the mountain, including a central pipe (the vent) connecting an underground magma chamber to the crater at the peak. Add bright orange and red colours for the lava and dark greys for the ash cloud.

Label words: Magma chamber · Vent · Lava flow · Crater · Ash cloud

Steps:

1. Using your drawing, describe what happens to the molten rock once it erupts from the vent and flows down the side of the volcano.
2. Why do you think the area around a volcano is often called a 'volcanic mountain'?
3. Step 1: Draw a large mountain shape in the centre of your page with a jagged top.
4. Step 2: Draw a deep tunnel inside the mountain leading to a pool of liquid rock at the bottom. Label this 'Magma chamber'.

5. Step 3: Draw a dark, grey cloud at the very top of the mountain to show the eruption.