

Activity Sheet 9



Make a volcano

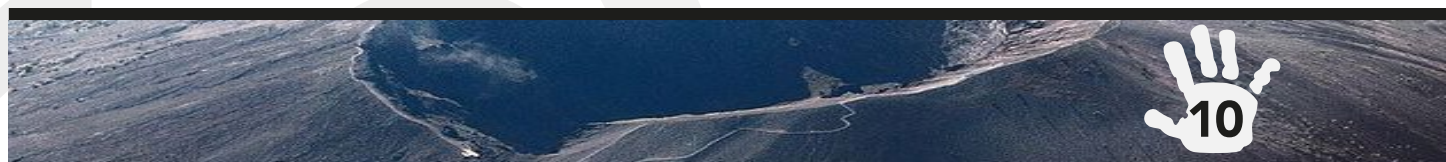
1. Put an egg cup in the centre of a big piece of card
2. Put a teaspoon of bicarbonate of soda into the egg cup. Slowly pour 5-10 ml of vinegar to the cup. Your volcano should fizz!
3. When the lava has stopped flowing, quickly draw a line all around the lava and then mop it up with a paper towel.
4. Take a ball of play dough and roll it flat. Completely cover the shape left by the lava with the play dough – but not the egg cup!
5. Soak up the mixture from the egg cup with a paper towel. Place the egg cup in the centre of the flow and repeat the eruption. Use a different colour of play dough each time, and don't worry if the last layer of play dough is covered a little.
6. When you have finished, try taking a sample of the lava layers by using a large straw. Push the straw vertically down into the play dough, twist and pull out the straw. Cut the straw just above the top of the play dough sample. Push out the sample with a cocktail stick or matchstick.

Make a chocolate volcano

1. Put a cone or an upside down filter funnel in the middle of a plate or card.
2. Pour melted chocolate over the cone or funnel letting it run down the sides.
3. Leave the chocolate to cool and harden a little on the cone or funnel.
4. Choose a different colour of melted chocolate and pour it over the cone or funnel.
5. Repeat each time using a different colour of chocolate.
6. When the chocolate has cooled and hardened, push the apple corer right down into the chocolate layers, twist and pull out a sample.



Chocolate volcano



Volcano Fabulous Facts 2

Olympus Mons is about 24km tall; thats more than twice as tall as Mount Everest and its area is almost the size of Spain! About a hundred of the biggest volcanoes on Earth could fit inside it.
It is the largest volcano in the solar system.

Volcano Fabulous Facts 4

Missions to Mars have not found any active volcanoes. As well as volcanoes there are dark flat layers of lava rock on Mars. Scientists take samples of rock by drilling and pulling out a column of rock layers.

Volcano Fabulous Facts 1

Volcanoes or evidence of volcano activity are found on Mars.
On Mars, the north is covered by lava rock from lots of very big volcanoes. One of these is called Olympus Mons.

Volcano Fabulous Facts 3

On Mars, the volcanoes grew bigger as the lava layers built up on the top of one another. As the volcanoes are so big this means that thre must have been heat under each volcano for a very long time.