

Glossobooks



Inquiring *Minds*

STEAM ACTIVITIES FOR CHILDREN

THIS IS A BOOK BY

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Why do volcanoes erupt?

01

Think!

What do you know about volcanoes? Discuss in a group and write down your thoughts.

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02

Scan the QR code and watch the video about volcanoes and fill in the gaps with the correct words

- ocean
- destructive
- active
- lava
- magma
- rocks
- gas
- cools
- melts
- shape
- surface
- possible

Scan to watch



There are about 1.5000 volcanoes, on land and on the floor. There are many types of different volcanoes, classified by and size. All volcanoes emit and molten The core of the Earth burns as hot as the of the Sun. This heat rocks in the Earth's Mantle. This is called After it gets out of the volcano it is called The most eruption ever documented occurred in Indonesia in 1815. Even though volcanoes are so destructive they help make life on Earth Their ash helps plants grow and when lava down it creates new landforms.

What new things did you learn about volcanoes?

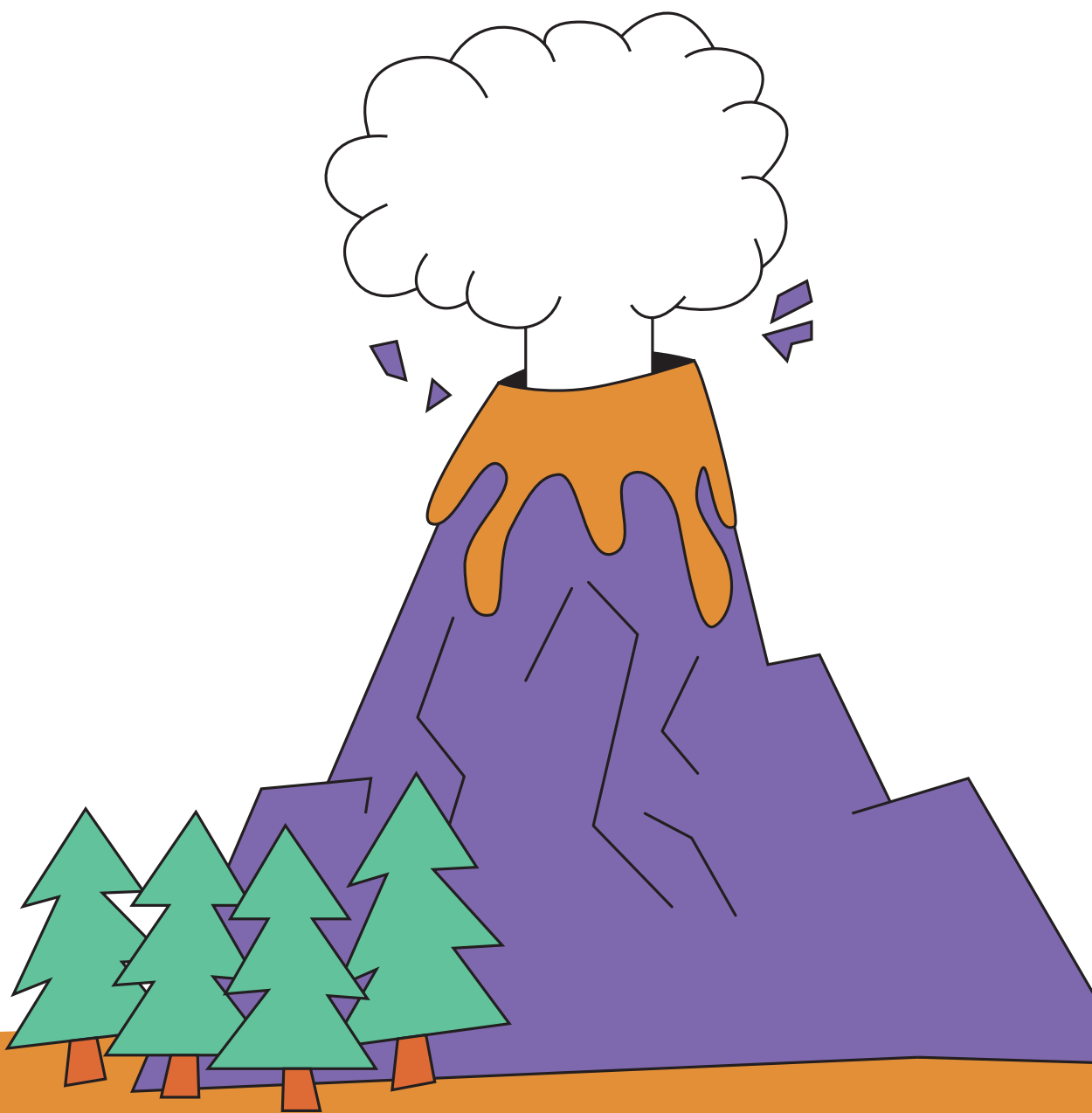
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Let's experiment

Can you make your own volcano?

Let's experiment

Can you make your own volcano?

Grab your materials:

- Soil or Modelling Clay
- Vinegar or Lemon Juice
- Red Food Coloring
- Dish-washing soap
- A plastic bottle
- Baking Soda

What to do:

Think about how you can make a volcano with the materials in the list and write down each step in detail

Earthquake

- the molten rocks inside a Volcano

Tectonics

- the hot liquid that comes out of a volcano

Lava

- a breaking point on the Earth's crust that allows magma to escape

Magma

- the energy released when two plate tectonics crush

Volcano

- a thin shell on the outside of Earth

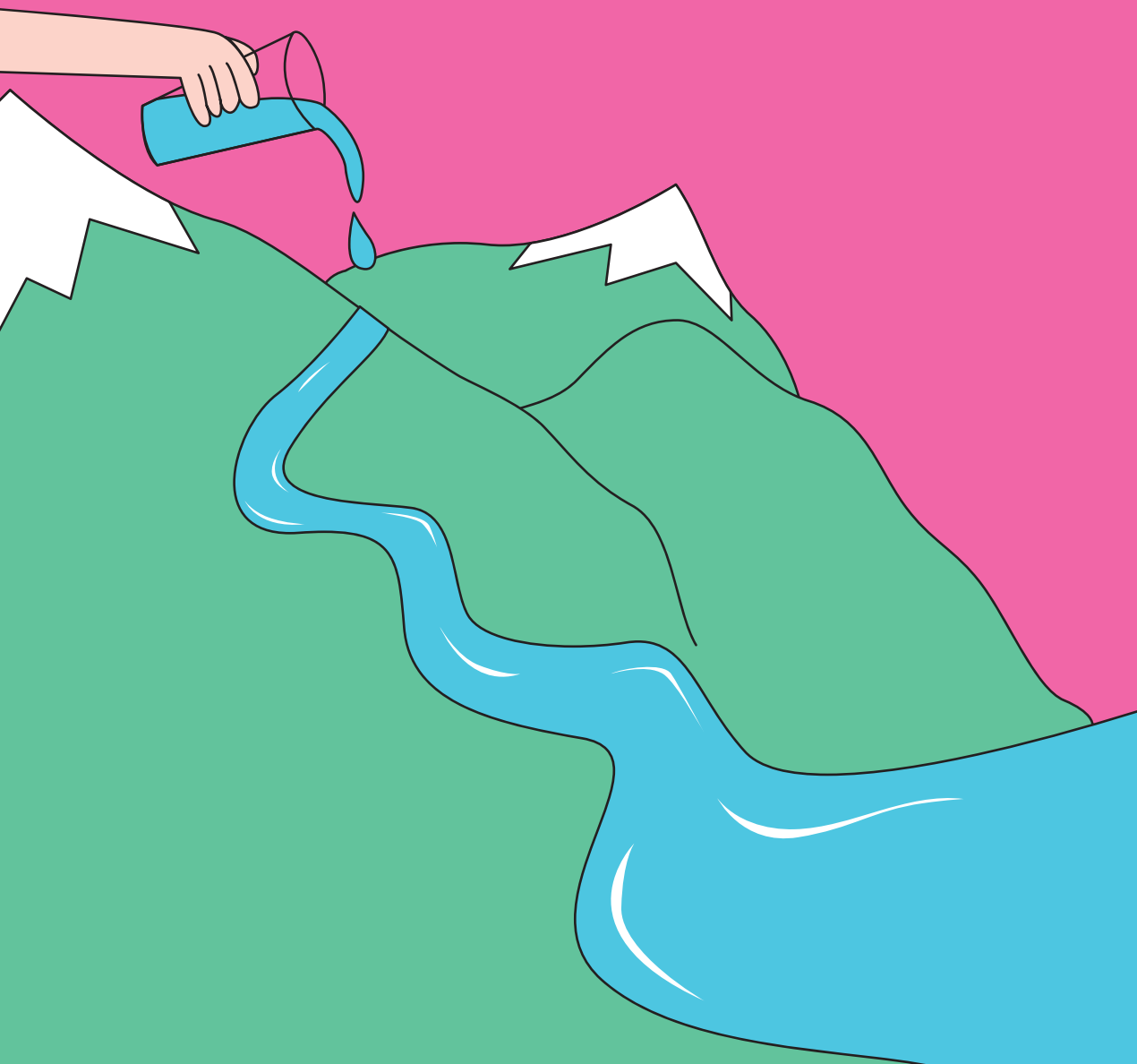
Crust

- big pieces that constantly move on the Earth's crust

***Did you know?***

The word volcano comes from the Latin word Vulcan which was the Roman God of Fire!

Water is Life





Why does it rain?

01

What do you know about rain? Discuss it in groups and write down your thoughts.

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04

Let's experiment

Why does it rain?

Grab your materials:

- Cling Film
- A mug
- Boiling water
- 2-3 ice cubes

What to do:

- STEP 1** Prepare the water. Wait till it boils.
- STEP 2** Cover the bowl with the cling film and make sure there are no gaps
- STEP 3** Place the ice cubes on top of the cling film and wait a few minutes

What do you think will happen?

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What did happen?

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Why do you think this happened?

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02

Watch the video and match the definitions to the words

Evaporation

- When the gas, also called water vapor cools down and forms clouds.

Precipitation

- When the Sun heats the ocean and turns the liquid water into gas which goes up in the air.

Condensation

- When the clouds become so heavy that they can no longer hold the water droplets inside them and it starts to rain.

Scan to watch



04

Draw your own water cycle model

Did you know?

There is a type of rain called 'phantom rain' that never makes the ground wet. In some very hot and dry regions, such as deserts, rain pours down from the sky but evaporates as it draws closer to Earth's surface.