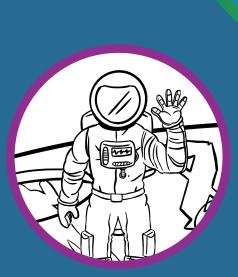




# The Planet Earth



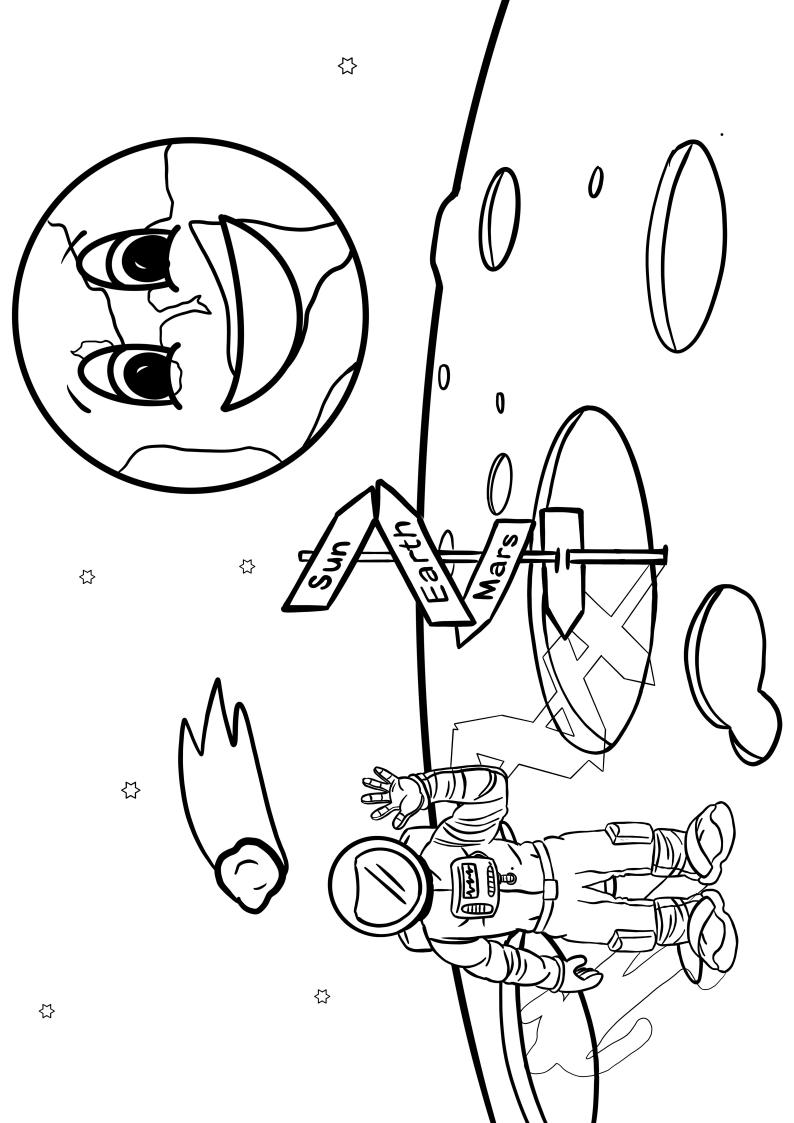
Drawing



Crafts



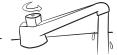
Experiments



#### Taking care of our Earth.

Fill in the blank by following the pictures for hints.

While you are brushing your teeth, turn off the \_\_



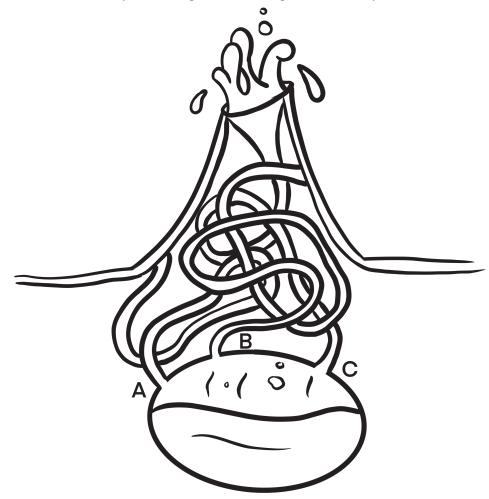
Instead of driving, walk or ride a \_\_\_\_\_

• When you go to the grocer, take your own \_



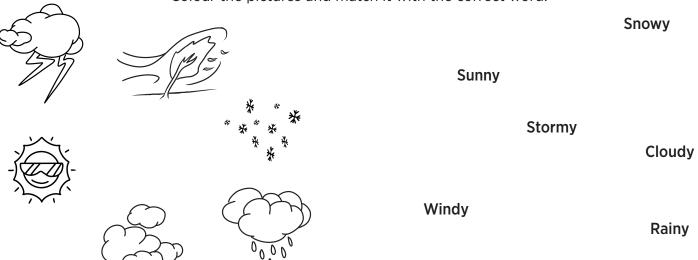
#### Volcano Maze

Find the correct path and guide the magma to the top of the volcano.



#### Weather Match.

Colour the pictures and match it with the correct word.



# Spinning Seeds

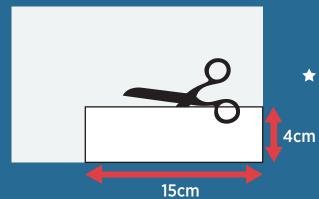
#### **Materials:**

- Paper
- Scissors

To take care of our planet, we must take care of the trees we have and plant even more! Trees grow more when the wind helps seeds travel to find enough space to grow. Sometimes, some seeds will have a special shape which will help them move. In this activity, we'll be seeing how pine tree seeds spin as they fall from a tree!

1) Cut a strip of paper at least 15cm long and around 4cm wide.





3) Fold the bottom part along the middle and the sides (follow the

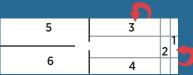
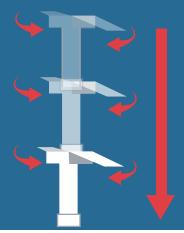


diagram according to the number).

4) Hold it together with your fingers and release it from a height of at least 2 metres.



5) Watch it spin as it goes down!



Fact Did you know that Earth is the only planet that was not named after a god?



# years



### At Home Earthquake

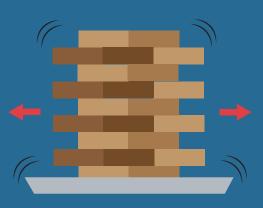
#### **Materials:**

- Metal Baking sheet
- Construction blocks (wooden or plastic)

1) Use the wooden blocks to construct a tower on the baking sheet. Be creative!

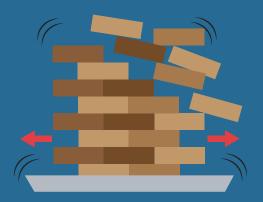


2) What do you think will happen if you shake the baking sheet?

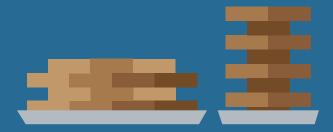


This is similar to the movement that happens during an earthquake. The baking sheet represents a tectonic plate; which is the part of the Earth's crust which is able to move.



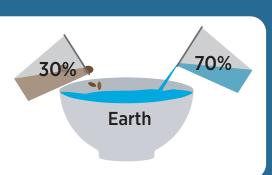


4) Experiment with building towers that are; shorter, taller, wider or narrower and other designs! Keep track of which one took the most effort to bring the tower down.



Earth is often called the ocean planet because it's surface is 70% water!

Fact



# Melting Ice Caps

#### **Materials:**

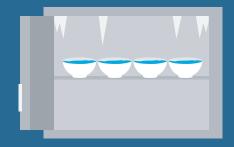
- A few small bowls
- One large container
- Rocks
- Animals/toys
- Popsicle stick
- Marker

activity.

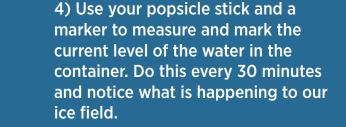
1) Fill up some small plastic bowls and place these in the freezer at least a day before you would like to do this

This activity will be giving us a glimpse of what is happening to glaciers and ice caps around the world due to global warming!

2) Once they are frozen, remove the ice from the bowl. These will be our ice caps!



3) Add some water to your large container and place your icebergs inside, along with their inhabitants on top. Place the rocks on one side of the container to represent the land.





5) What happened to the level of water? Do the animals have more or less space on the iceberg? What is happening to the land?







### In the Ocean Zone(s)!

#### **Materials:**

- 5 small containers that will easily stack (Ideally square glass spice jars)
- Water
- Food colouring (blue, red & green)
- Ocean creatures
- Paper/labels & pen so you can label each ocean layer
  - 1) Start by filling each jar with water.



2) Next label them according to the Ocean Zones; Sunlight Zone, Twilight Zone, Midnight Zone, Abyss and Trenches.



3) Now we add the colour!



a. Sunlight Zone -- touch a toothpick to the blue food colouring and then dip it into the jar

b. Twilight Zone -- 1 drop blue

c. Midnight Zone -- 2 drops blue

d. Abyss -- 4 drops blue

e. Trenches -- 5 drops blue, 2 drops green & 1 drop red

Note

the high pressures, it's very difficult for fish and other species to live in the abyss and

4) Shake the containers a bit so the colour gets mixed. Close the containers and stack them on top of each other. If you have sea creature toys at home, see if you can find which zone each animal lives in!



trenches.

## Make your own volcano!

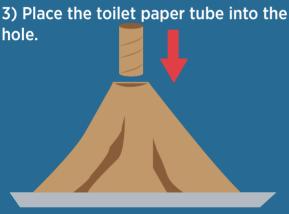
#### **Materials:**

- A paper plate
- Bicarbonate of soda
- Clay/ Plasticine
- Red food colouring
- A toilet paper tube (or kitchen roll cut in half)
- Vinegar









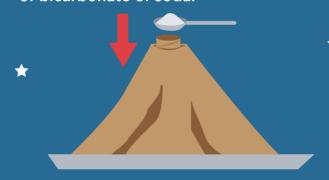
5) Put in some drops of red food colouring.



2) Make a large hole in the centre of vour volcano.



4) Fill in the tube with 2-3 tablespoons of bicarbonate of soda.



6) Add vinegar to the bicarbonate of soda.



7) Watch your volcano erupt!





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