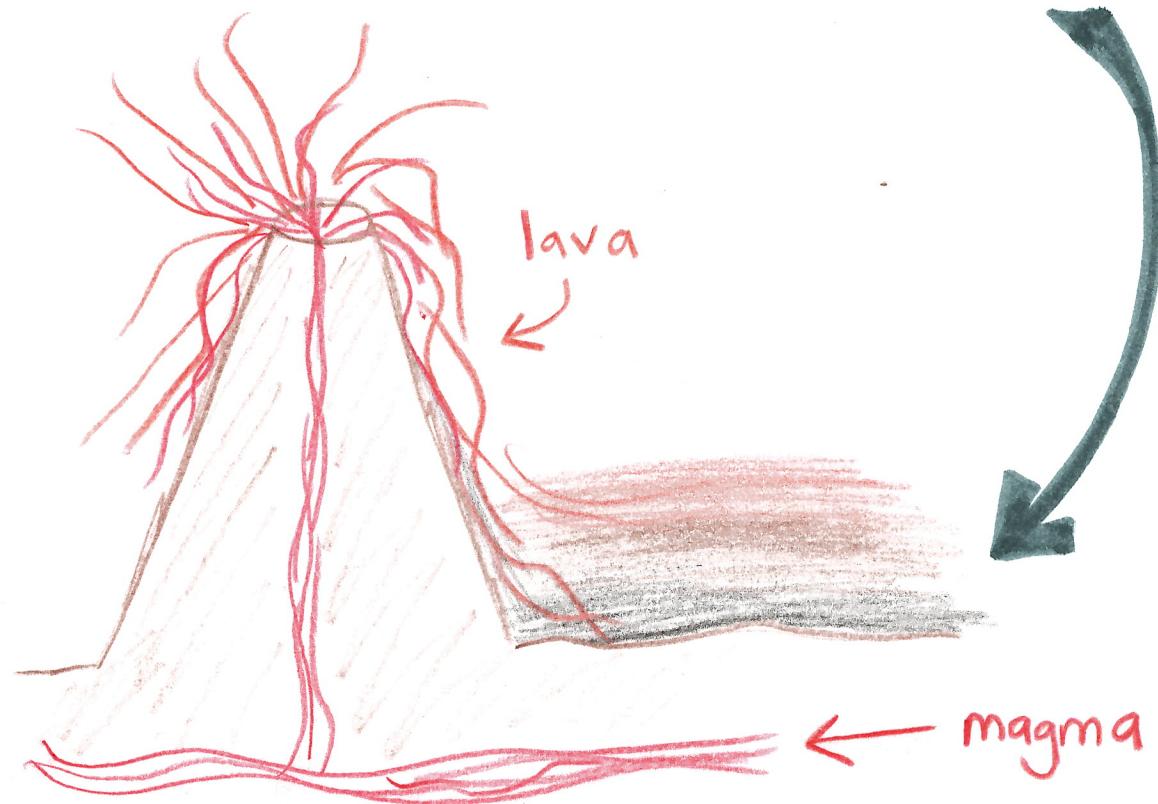


**Step 1** Lava explodes out of a volcano and cools into **IGNEOUS** rock.



Take some play-dough from the volcano and make a landform of your choice.



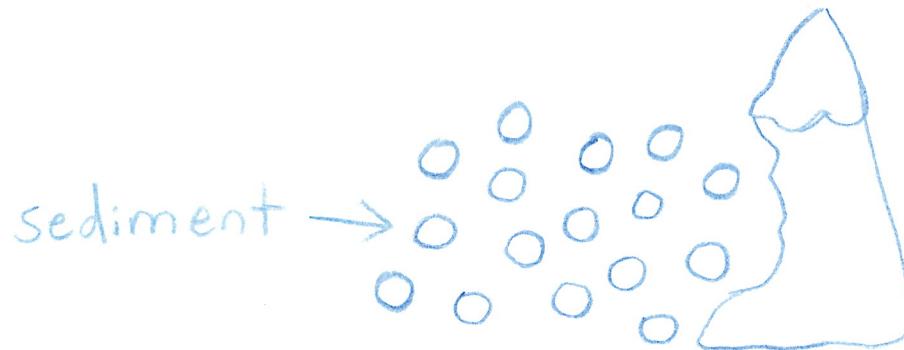
Where do you think lava comes from?

## Step 2

It starts to rain! Weathering and erosion break up your landform into **Sediment**.



Break off pieces of your landform and roll them into around 16 little balls.



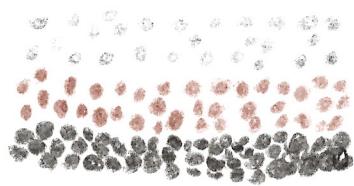
How does your landform change?

### Step 3

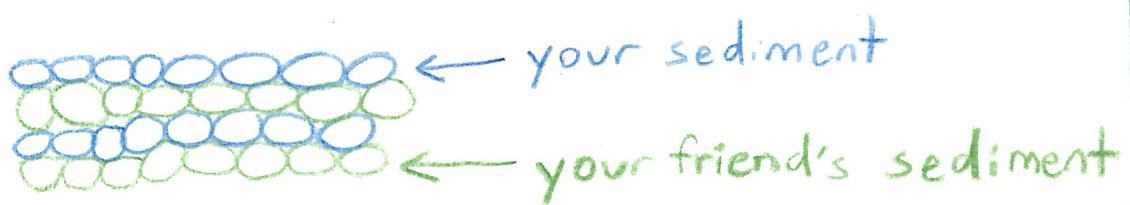
Sediment collects in layers

to form

SEDIMENTARY rock.



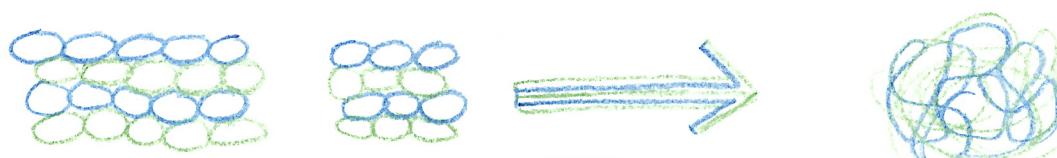
Find a friend with a different color sediment. Take turns making layers of sediment. Press lightly so they stick together.



What differences do you notice between your igneous landform and the new sedimentary rock you made with your friend?

**Step 4** Under intense heat & pressure,  
other rocks turn into  
**METAMORPHIC** →  
rocks.

Take part of your layered **sedimentary** rock  
and squash it! (Make sure to leave some of it for later.)



You now have 3 rocks: igneous (掣),  
sedimentary (扭), and  
metamorphic (扭).

What similarities and differences  
do you notice between the 3?

## Step 5

Rocks melt and become **magma** inside the earth.



Put your 3 rocks back into the volcano.



igneous



sedimentary



metamorphic



What do you think happens to your rocks after they become magma?