

WHAT'S INSIDE A VOLCANO?

Learn how volcanoes are made, why they become tall and what can be found inside them.

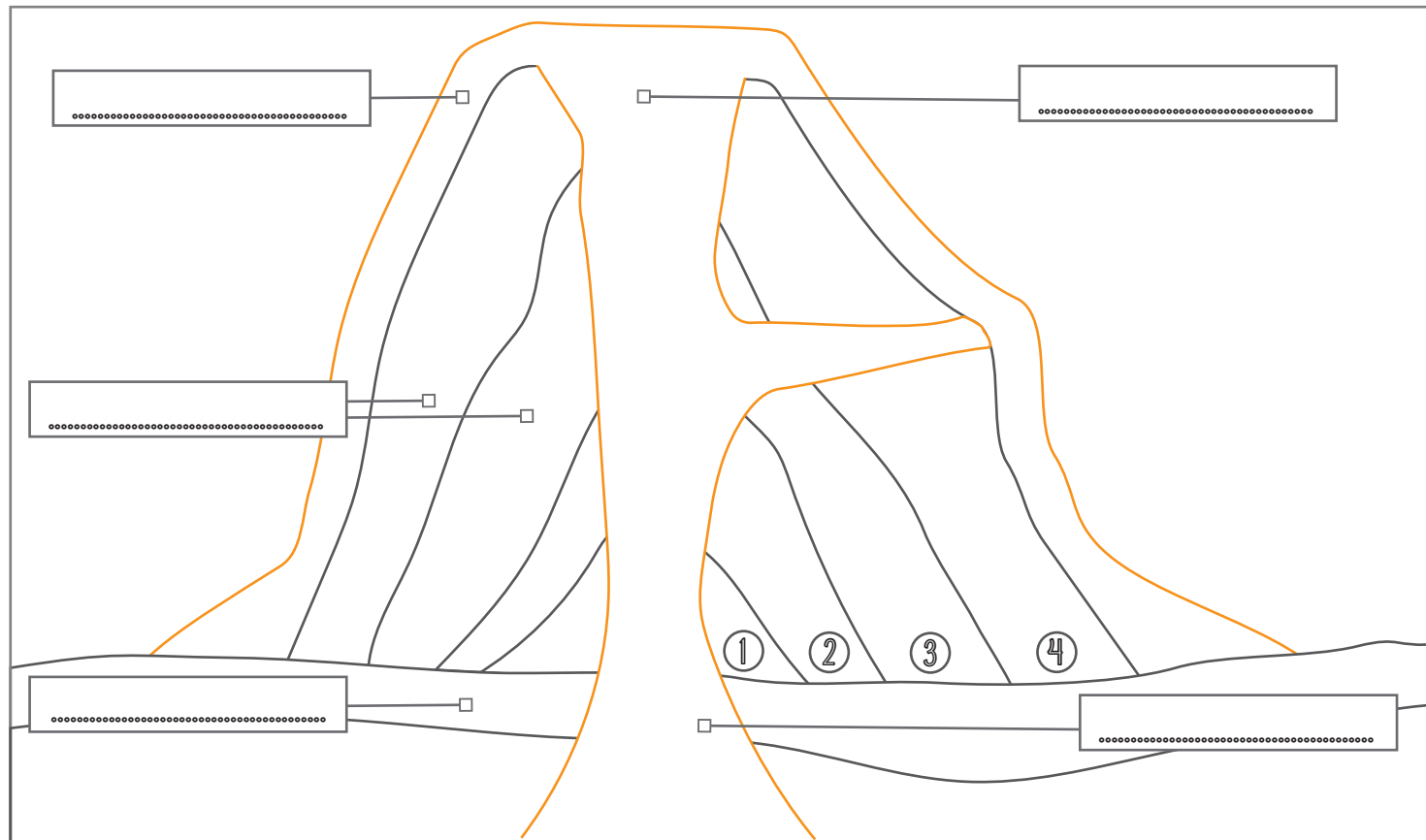
When a volcano erupts, lava and ash flow down the sides of the volcano. The alternate layers of lava and ash cool and turn into solid igneous rocks. Over time the volcano may erupt again, adding new layers of igneous rock and becoming larger and taller.

TASK 1: Use the VOLCANO KEYWORDS below the picture to fill in the gaps and label the different parts of a volcano.

Bonus! Using books or the internet can you add any extra labels to this picture?

TASK 2: Colour in your volcano picture. Make sure you show the alternate layers of lava and ash (remember these are *solid igneous rocks*) and show the hot lava flowing down the side of the volcano.

Bonus! Hot molten rock flowing down the side of the volcano is called lava, but what is it called when it is inside the volcano? M..... .



VOLCANO KEYWORDS

magma chamber vent lava layers of ash and lava Earth's crust

TASK 3: Each layer of igneous rock (cooled ash and lava) in your volcano picture is numbered from 1 to 4. Which layer of igneous rock do you think is the oldest? Layer 1, 2, 3 or 4?

LAYER IS THE OLDEST BECAUSE

Hint! As it erupts, lava will flow down the volcano and cool. When it has cooled it will turn into igneous rocks and create a new top layer of the volcano. This will be the youngest layer.