

# Submarine Volcano

Submarine Volcanoes are commonly in areas of tectonic plate formation, known as mid-ocean ridges, located in the depths of the ocean and sometimes shallow seas. They form when two plates move, allowing lava to rise through the voids in the sea floor.

Children can see how heat rises and how the hot water stays above the cold water in a spectacular eruption display, representing a submarine volcano.

For our small jar, we repurposed an old glass herb jar and tied a twine handle on to easily lower it into the larger jar and also to avoiding holding directly whilst it contains hot water.

## Gather:

- Cold water
- Hot water
- 2 cups vinegar
- 2.5 teaspoons bi carb soda (baking soda)
- Food colouring
- Large jar (taller the better)
- Smaller jar



## Create:

1. Pour 2 cups of vinegar into a large jar and fill the rest with cold water.
2. Add hot water into your small jar with food colouring. Add 2.5 teaspoons of bi carb soda and stir.
3. Lower the small jar into the large jar and watch your submarine volcano erupt.

