

Lava Experiment #1

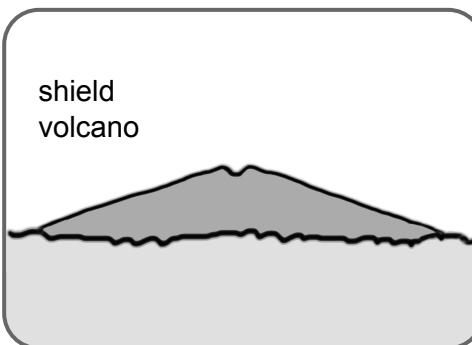
1. With your partner, put 1 spoonful of the **THIN** lava on the plate. Try to make it into a mountain-shape. Draw a picture in the box showing how tall it turned out:



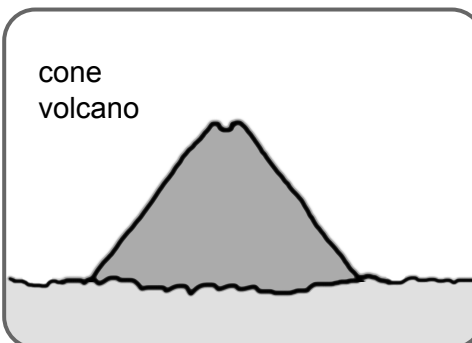
2. Repeat step 1 with the **THICK** lava.



3. What kind of lava do you think **shield volcanoes** have? Why?

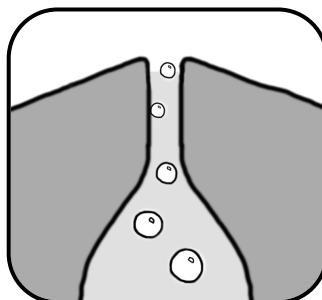


4. What kind of lava do you think **cone volcanoes** have? Why?



Lava Experiment #2

Bubbles form in lava as it rises up from deep underground. With a straw, you can add bubbles to your lava, too.



- 5. Stir each sample with your straw, then blow bubbles in each cup. Note: bubbles in the thick lava may not look like the bubbles you're used to. Watch for craters when they burst through the surface.
- 6. Which lava is it **easiest** to blow bubbles in? **the thin lava** **the thick lava**
- 7. See if you can blow **just 1 bubble** in each cup.

Can you do it in the thin lava? Explain: _____

Can you do it in the thick lava? Explain: _____

- 8. How are the bubbles different in the different lavas?

- 9. Can you think of any other experiments you'd like to try with the thin and thick lava?

Watch the next video to see which type of bubbles makes volcanoes explode.