

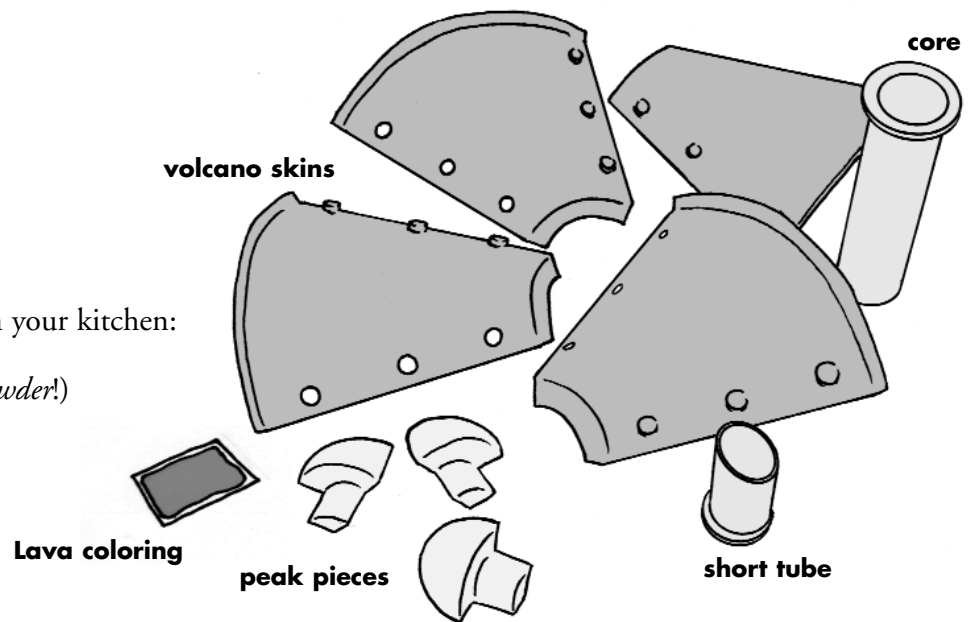
Volcano Instructions

Kit includes:

- Four volcano “skins”
- Three foam peak pieces
- Core
- Short tube
- Plastic bag of lava coloring
- Empty resealable plastic bag (not shown)

You’ll also need these things from your kitchen:

- Reacting ingredients:
 - Baking soda (*not* baking powder!)
 - Vinegar
- Measuring spoons
- Baking sheet or large plate
- Paper towels
- Food coloring (optional)



Important note: It’s a very good idea to read through all the instructions—and practice a few times—before using the reacting ingredients to make your volcano erupt.

Using the lava coloring: Premix a batch of dry volcano ingredients by mixing half of the bag of lava coloring (about $\frac{1}{4}$ teaspoon plus $\frac{1}{8}$ teaspoon) with 2 teaspoons of baking soda in a cup. This premixed batch will be enough for four eruptions. (Store the rest of the lava coloring in the resealable bag.)

1. Assemble the outside of the volcano

- Attach one of the four volcano “skins” to another one by snapping the three buttons in one skin through the three holes in the next skin. (Illustration 1.)
- Attach a third skin to the first two.
- To attach the last skin, you might need to hold your volcano-in-progress by the outside and the inside. (Illustration 2.) Make sure you snap the buttons of the first skin through the holes in the last skin.

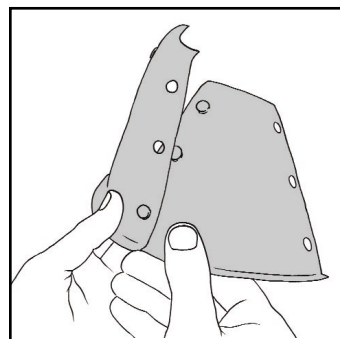


Illustration 1

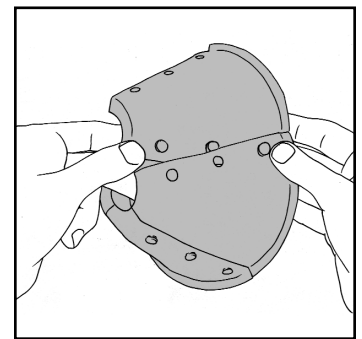


Illustration 2

2. Insert the core

- Push the core through the top of the volcano, with the open end pointing up. (Illustration 3.)

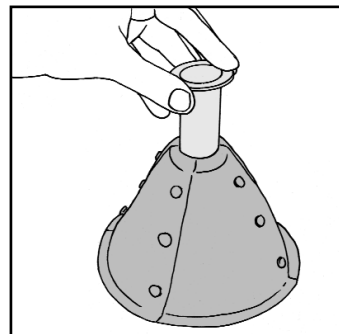


Illustration 3

3. Place the volcano on a baking sheet

- To help control the flow of “lava” that will result, place the volcano (and the core inside it) onto a large plate or baking sheet.

If you have questions about this product, send an email to infobm@beckermayer.com.

4. Add wet ingredients to the core

- Measure $2\frac{1}{4}$ teaspoons of vinegar and pour the vinegar into the core. (Illustration 4.)
- To make colored lava after you've used up the lava coloring, try these techniques:
 - Food coloring: add 2 drops of red food coloring and 1 drop of yellow food coloring to the vinegar already in the core.
 - Colored vinegar: instead of using regular vinegar, use red wine vinegar for reddish lava, or balsamic vinegar for brown, muddy lava.

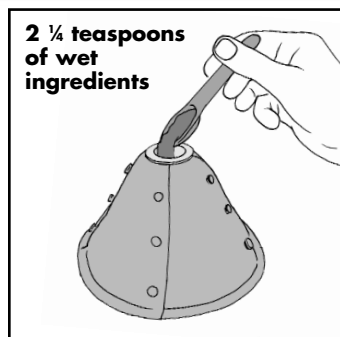


Illustration 4

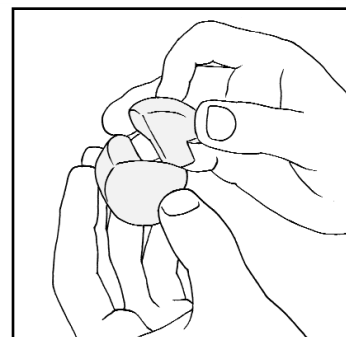


Illustration 5

5. Install the peak

- Fit the three foam pieces together to make a "mountain peak." (Illustration 5.)
- Holding the assembled peak by the top, work the bottom of the peak into the flat end of the short tube. (Illustration 6.) Make sure the peak is inserted all the way, and that all the peak pieces fit together tightly, with no gaps between them.

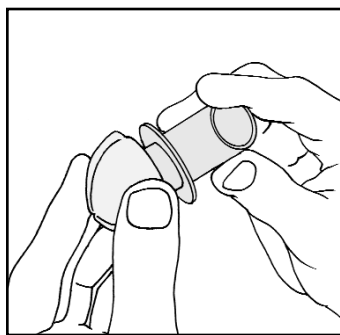


Illustration 6

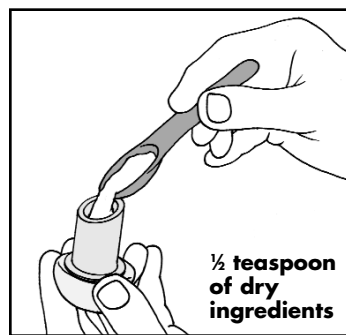


Illustration 7

6. Add dry ingredients to the short tube

- Holding the short tube by the peak, with the open end pointing up, pour $\frac{1}{2}$ teaspoon of premixed lava-coloring-and-baking-soda (or just baking soda by itself) into the short tube. (Illustration 7.)

7. Combine all the ingredients

- Pour the dry ingredients from the short tube into the core. (Illustration 8.) Quickly press the short tube all the way into the core. (Illustration 9.)

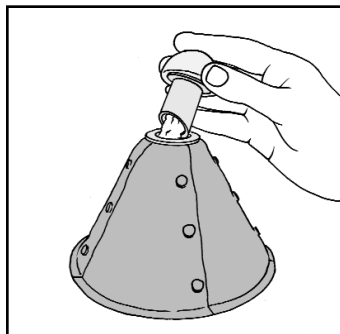


Illustration 8

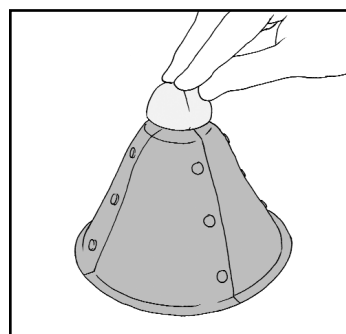


Illustration 9

8. Stand back and watch the eruption!

- After a couple seconds (*or less!*), gas will force the peak to break apart and foaming lava will flow down the sides of the volcano. (Illustration 10.)

9. Set up the volcano again

- To do it again, remove the core and the short tube, by pulling them out together by the lip on the core. (Illustration 11.) Twist the short tube to separate it from the core. Rinse the parts in water. With a paper towel, dry the short tube, the core, and the peak pieces. (You probably won't be able to get the peak completely dry, but that's OK.)

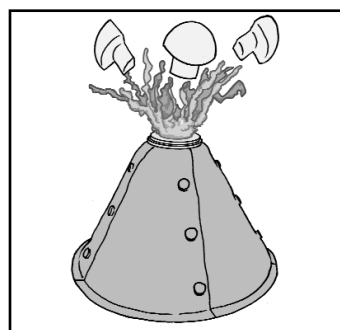


Illustration 10

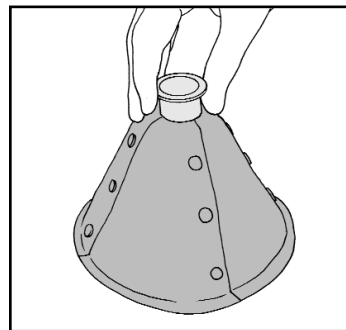


Illustration 11

Troubleshooting

- Make sure you put in the right amounts of all the ingredients. If you used too much of any ingredient, the volcano might erupt too soon. If you used too little, the volcano might not erupt at all. Experiment and adjust the amounts until the eruptions are perfect.
- Make sure the inside of the core and the inside and outside of the short tube are completely dry.
- Make sure the peak pieces are fitted together tightly and firmly in the short tube.