



Aluminum Foil Volcano

Science: **Geology**



DIY Project of the Month August

Procedures

4+2

1. Do you like natural disasters? I don't. Which natural disaster do you think is the scariest?
2. If you have been watching the news then you know that Hawaii is going through a horrible natural disaster, volcanoes. No one knows when a volcano is going to erupt. There is so much gas trying to escape, that it presses against the top of the volcano. More and more gas is being made and this creates so much pressure that it goes kaboom.
3. Do you want to make a volcano? Do you want to make it explode? Don't worry it will be safe.
4. Put a rolled up piece of tape in the middle of the plate. Tape the cup to the middle of the plate.
5. Tear off aluminum foil in about a 15" length -- you are going to cover the entire cup and plate.
6. Place the foil over the cup and plate, and then begin folding the foil under the plate, shaping it with your fingers around the plate's rim to seal it.
7. Tape the loose foil under the plate. Take a small pair of scissors and carefully poke a hole in the center of the foil covering the cup. Use the scissors to carefully split this foil into quarter pieces. (The foil will look like a tiny shiny pie!) Tape these foil quarter pieces to the inside of the cup.
8. Fill the bottom of the volcano's cup with two tablespoons of water and dissolve a tablespoon of baking soda in the water. Now, add a few drops of dishwashing detergent. In a separate cup measure two tablespoons of vinegar into a separate cup. Add two drops of food coloring to the vinegar. Take that cup of red vinegar and pour it all at once into the cup in the middle of the volcano and watch the lava flow.
9. Now you are ready!



Materials



1 3oz Dixie cup Scotch tape Styrofoam plate baking soda with a spoon
a sheet of aluminum foil large enough to wrap around the plate cup of vinegar red food coloring
dishwashing detergent water

