

## MAKE YOUR OWN SUPER VOLCANO and GIVE IT A NAME

### Materials Needed:

- chicken wire or screen wire
- tin can or small metal container
- wire cutters (sissors)
- newspaper
- flour
- water
- plaster of paris
- paint, various colors
- ammonium dichromate



Form the wire to resemble a mountain, leaving a hole in the top. Cover the wire with paper mache. (Layer newspaper with a paste made from flour and water.)

After the paper mache has set-up and dried, cover it with plaster of paris to make it more fire proof. Use paint to illustrate rocks, trees, and whatever else you think is on the *mountain*.

Put a small amount of ammonium dichromate in the metal container. Place the metal container on a sturdy box so that is near the cone opening under the volcano. Light the ammonium dichromate with a match. Now, watch your volcano spit out ash.

Be sure that the classroom windows are open for good ventilation. This experiment also can be done outdoors if weather permits.

Volcanoes and earthquakes create new mineral wealth!

### Here is another VOLCANO activity

It is simple and a fun experiment:

Glue a plastic film canister on a piece of cardboard.

Put paper mache around it. When each student's volcano is dry, put a small amount of baking soda into canister.

To make the "volcano" erupt — pour a mixture of vinegar and red food coloring into the baking soda.

This simple activity allows each student to build his or her own small model volcano. They can even have a teaching experience by showing their families how it works.

#### DID YOU KNOW

The United States has 70 potentially active volcanoes — more than any nation except for Indonesia and Japan