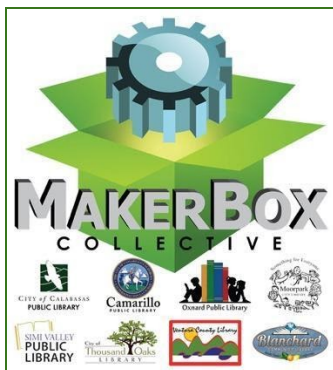


Egg Carton Volcanoes

Hands on Science at Home
Issue 4



MATERIALS

Egg Carton, Paints, Baking Soda, Vinegar, Spuit or Water Dropper.

STEPS

1. Put one teaspoon of baking soda in each egg holder. If you don't want the different colors of volcanoes mixed, give some spaces between egg holders.
2. Add a few drops of different paint to each egg holder with baking soda.
3. Add a few drops of vinegar to each egg holder with baking soda and paint.
4. Watch the fizzy volcanoes erupting from each egg holder!

TAKEAWAY

When an acid and a base mix they form a gas called **carbon dioxide**. Here the vinegar is the acid and the baking soda is the base.

When vinegar and baking soda are mixed together, hydrogen ions in the vinegar react with the sodium and bicarbonate ions in the baking soda. The result of this reaction is two new chemicals: carbonic acid and sodium acetate.