

AN "EGGSACT" EXPERIMENT

An eggshell is really made of three things: carbon, calcium, and oxygen. If you add vinegar (or acid) to tiny pieces of shell, you can cause a chemical reaction to happen!

MATERIALS:

clear cup
tablespoon
five eggshells
white kitchen vinegar
baby food jar or small drinking glass

PROCEDURE:

1. Rinse the eggshells in water until all the egg comes off.
2. Put the eggshells on a paper towel and put the towel in a warm place.
3. When the shells are dry, break them up and put them into the cup.
4. Using the back of the tablespoon, crush the eggshells until you've made a powder.
5. Fill the cup with vinegar.
6. Sprinkle the eggshell powder into the vinegar.
7. Watch the liquid for a few minutes. Draw what you observe.

How It Works: In this experiment, carbon dioxide gas is produced. When you add the eggshell powder into the vinegar, bubbles appear. The bubbles are evidence of the carbon dioxide gas.
