

Up and Atom! Science at Home

Kitchen Chemistry, ages 8-11

Materials List

We suggest laying a towel on your work surface and gathering materials together in groups as we transition from one experiment to another.

1. Rising Yeast

- 1 packet of fast rising yeast (or 3 tsp if you have a jar)
- ½ cup of very warm water
- 1 tablespoon of sugar
- 1 clear bottle – a water bottle or a glass bottle with a small opening
- balloon

2. Elephant Toothpaste

- Safety goggles/glasses
- 1 packet of fast rising yeast (or 3 tsp if you have a jar)
- Small bottle of hydrogen peroxide (3%)
- Liquid dish soap (just a little)
- 2 colors of liquid food coloring (optional)
- 1 clear bottle - a water bottle or glass bottle with a small opening
- Tray with sides to catch spills (9x13 pan is fine)
- Measuring cup
- Measuring spoons
- Small mixing bowl and spoon
- Warm water – about 3 tablespoons

3. Backyard Chromatography

- Handful of greenish leaves
- Scissors
- 1 cup of rubbing (isopropyl) alcohol
- Clear jar to hold alcohol – baby food to jam jar size

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- Tape
- 1 coffee filter, cut into 2 inch strips