



## Groovy Lava Lamps

### Theme:

Lava Lamp Creations

### Curriculum Area:

Math and Science

### Activity:

Children will see the chemical reaction between the elements provided to create a lava lamp replica.

Upon mixing the elements, the children will see the fizz when they add the ingredients.

### Age of Children:

4 – 5 Years Old Preschool Age

### Materials Needed:

- Vegetable Oil
- Baking Soda
- Water Paint
- Empty Water Bottles
- Small Containers
- Vinegar
- Water
- Pipets

### Developmental Objectives:

The children will observe the chemical reaction that will occur when the oil, vinegar, water, and baking soda are combined

### Procedure:

The children will each be provided with a water bottle. Each water bottle will contain one cup of vegetable oil, and  $\frac{1}{4}$  cup of vinegar. They will seal it and tilt the bottle to mix the solution. Then they will add water diluted water paints into the water bottle. A combination of colors may be used. In a smaller container, mix 1 tsp of baking soda and 1 tsp of water. Add the baking soda and water mixture into the water bottle. The elements would fizz and sizzle at the top, creating the lava lamp concept. The children will seal the water bottle and tilt to get the Lava Lamp effect.

**References:** <https://handsonaswegrow.com/science-experiment-diy-lava-lamps>

