

36.1: Materials

General Materials Needed

- 4-250 mL Beakers
- 100 mL Graduated Cylinder
- 4 Plastic Spoons
- 2 Thermometers

Red Water

- Red Food Coloring
- 25 mL Bleach
- 25 mL White Vinegar
- Grease Pencil

Inflating Balloon

- 16-18 oz. Empty Plastic Water Bottle
- Balloon (9-12 inch diameter)
- 4 Spoonful's Baking Soda
- 40 mL White Vinegar
- Funnel

Dr. Foamy

- 1 Package Dry Active Yeast
- 400-500 mL Beaker
- 200 mL 12% Hydrogen Peroxide (H_2O_2)
- Dish Soap

Baking Ingredients

- 1 Spoonful Cream of Tartar
- 1 Spoonful Baking Soda

Professor Flame

- Box of Matches
- Fireplace Lighter

Notes

- Bleach must be new and fresh (chlorine will escape over time)
- Red food coloring must be grocery store grade (other red food colorings will not work)
- 40 volume hydrogen peroxide from a salon is 12% H_2O_2
- Yeast must be fresh each term (aged yeast is no longer active)



Figure 36.1.1:

Graduated Cylinder & Fireplace Lighter. Image used under [3.0 Unported](#)

Safety

- Rubber gloves and safety goggles are recommended for this lab.

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