

42.1: Materials

General Materials Needed

- 2 Plastic Spoons
- 6-250 mL Beakers
- 2 Thermometers

Apple & Air

- 1 Fresh Red Delicious Apple (per team)
- 1 Vitamin C Tablet (ascorbic acid)
- Mortar and Pestle
- Petri Dish

Escaping Oxygen

- 200 mL Hydrogen Peroxide (H_2O_2)
- Slice Potato (1/2 inch thick)
- Grease Pencil

Better Faster

- 2 Alka-Seltzer Tablets
- Mortar and Pestle

Making Kool-Aid

- Heat Source
- Beaker Tongs
- Heat Gloves
- Aluminum Foil (for lid)
- 2 Sugar Cubes
- 2 Packages Dry Kool-Aid

Weak or Strong

- 6 Alka-Seltzer Tablets
- 105 mL Vinegar (acetic acid)
- 105 mL D.I. Water
- Grease Pencil
- 100 mL Graduated Cylinder
- Triple Beam Balance
- Splash Goggles (strongly recommended)



Figure 42.1.1: Mortar & Pestle and Petri Dish licensed under CC0

Note

- Hydrogen Peroxide must be new and fresh (hydrogen will escape over time)
- A cutting board and kitchen knife will be needed for apples and for the potato

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