



Lesson Logistics

Learning Outcomes

Grades 10-12
Chemical Reactions
Acids and Bases

Class Organization

Divide the students into groups of two.

Ensure that each group has two beakers, a 50 mL graduated cylinder, water, a thermometer, a stirring rod or spoon, vegetable shortening, access to the sodium hydroxide solution, plastic wrap, an analytical balance, ketchup and two scraps of fabric. Soap moulds and essential oils are optional.

Notes

Access to a hot plate or microwave is required.

Sodium hydroxide is caustic and should be handled with care. Ensure that students are wearing lab coats, gloves and goggles.