

Experiments Supply List

Day 1

RAINBOW WATER (FOR EVERY GROUP OF 3-4 STUDENTS)

- 6 clear cups (5-oz. or 9-oz. clear plastic tumbler cups work well)
- Water
- Food coloring (primary colors: red, blue, yellow)
- 6 half sheets of paper towels (Select-a-Size® works well)
- Optional: Straws

MYSTERY COLOR (FOR UP TO 10 STUDENTS)

- ¼ head of red cabbage, chopped
- Large stockpot
- Boiling water
- 1 coffee filter
- 1 funnel
- Storage container
- 10 1-oz. condiment cups with lids or plastic test tubes with lids
- 10 pipettes/droppers (these can be shared and reused)
- 1 t. 7-Up®
- 1 white antacid tablet
- 1 t. seltzer water
- 1 t. white vinegar
- 1 t. washing soda
- 1 t. lemon juice
- 1 t. baking soda
- 1 t. cream of tartar
- 1 t. milk of magnesia
- 1 t. water
- Plastic spoons
- Clear plastic cup
- [Red Cabbage pH Indicator Chart](#)

Day 2

CAN CRUSHING (FOR UP-FRONT DEMO)

- Empty pop cans, 2-3 per rotation
- Hot water
- Ice water bath (tub filled with ice and cold water)
- Hot plate or source for boiling water
- Tongs

DIVING OCTOPUS (FOR EVERY GROUP OF 3-4 STUDENTS)

- Empty 16-oz. bottle and lid (Sparkling Ice® drink bottles work well)
- 2-ml disposable transfer pipette
- 2.8-mm flat washers
- Disposable nitrile glove
- Small clear rubber band (used for hair)
- Electrical tape
- Plastic container of water
- Small plastic balls that float, like ball pit balls

Day 3

DIAPER DUTY (FOR EVERY GROUP OF 3-4 STUDENTS)

- 5 different diapers, each a different brand but the same size, plus 1 extra to be cut open

- Scissors
- 100-ml graduated cylinder or ¼ c. measuring cup
- Bucket of water
- Plastic spoons, 1 per child, plus 1 for sodium polyacrylate dish
- Dropper or transfer pipette
- Dish to hold sodium polyacrylate
- [Diaper Duty Record Sheet](#)

SHARK FLOAT (FOR UP-FRONT DEMO OR GROUPS OF 3-4 STUDENTS)

- 3 plastic water bottles with lids
- Optional: Permanent markers like Sharpies®
- Water
- Cooking oil
- Large clear container of water
- Optional: Pictures of different sharks

Day 4

LAVA LAMPS (FOR INDIVIDUALS OR GROUPS OF 3-4 STUDENTS)

- ½ c. baby oil
- Bowls with water and food coloring, several different colors on each table
- Alka Seltzer®, ½ tablet per student or group, passed out by leaders
- Droppers or transfer pipettes, 1 for every individual or group
- 9-oz. clear cups

SEA SNAKES (FOR EVERY STUDENT)

- 3 T. baking soda mixed with 3 T. water (can use larger container of baking soda water in the middle of the table for kids to share)
- ½ gummy worm
- Kitchen scissors (for pre-prep)
- Tweezers (can be shared with other kids)
- ½ c. white vinegar
- 9-oz. clear plastic cup
- Optional: Pictures of sea snakes

Day 5

SALTY OR FRESH? (FOR EVERY GROUP OF 3-4 STUDENTS)

- 2 9-oz. clear plastic tumbler cups
- Permanent marker
- 1 paper clip
- 1 toasted oat cereal piece
- 1 small piece of apple
- 1 grape
- 1 small rubber band
- 1 small plastic hair clip
- 1 hard-boiled egg
- 1 small rock
- 1½ c. water
- 2 T. salt
- [Salty or Fresh Guess Sheet](#)

JEWEL TREASURES (FOR UP-FRONT DEMO)

- Jar or container (mason jar, vase, deli container)
- 2-3 different sizes of plastic crystals/gems; should be distinct in size
- Water in a pitcher
- Colander with a bowl underneath
- [Attributes of God Sheet](#)