

Supplies

CHEMISTRY I

- ☑ Small piece of wood or crumpled-up paper
- ☑ Fireproof surface
- ☑ Lighter or match
- ☑ Connecting building blocks in groups of different sizes and/or shapes (e.g., LEGO bricks, K'NEX)
- ☑ Small plastic cup, e.g. a plastic to-go sauce container
- ☑ Two small silver thumbtacks or screws
- ☑ 9-volt battery
- ☑ Baking soda
- ☑ Vinegar

ELECTRICITY IA

- ☑ Clean, dry socks
- ☑ Metal spoon
- ☑ Carpet or rug
- ☑ 2 balloons
- ☑ String

CONVECTION CURRENTS

- ☑ Rice
- ☑ Cotton balls
- ☑ Clear-sided glass
- ☑ Fire-safe surface
- ☑ Lighter or matches
- ☑ Metal tongs or fork
- ☑ Clear-sided plastic container, approximately the size of a loaf pan
- ☑ 2 mugs (or 4 if needed to support a larger plastic container)
- ☑ Ice cubes
- ☑ Food coloring
- ☑ Flashlight
- ☑ Lamp with bare bulb
- ☑ Globe

TECTONIC PLATES

- ☑ Shallow cardboard box
- ☑ Scissors
- ☑ Plastic cup
- ☑ String
- ☑ Marker
- ☑ Pennies, marbles, gravel, or other weight
- ☑ Sidewalk chalk, two colors
- ☑ Measuring tape or yardstick
- ☑ Plate or pie tin
- ☑ Whipped cream
- ☑ Graham crackers

ELECTRICITY I

- ☑ Flashlight
- ☑ C or D battery (you may find this in your flashlight)
- ☑ Incandescent flashlight bulb (you may find this in your flashlight)
- ☑ Small electrical wire (e.g., hook-up wire)
- ☑ Wire cutters
- ☑ Electrical tape
- ☑ One mini bulb holder (a.k.a. mini lamp base or bulb socket)
- ☑ Small sections of materials or items to test for conductivity, e.g., coins, aluminum foil, nails, screws, wood, plastic, rubber bands, glass cups, etc.

FUNGI & BACTERIA III

- ☑ 7 Petri dishes with prepared agar
- ☑ 7 zip-close plastic bags
- ☑ Cloth and/or disposable face mask(s) that covers the nose and mouth
- ☑ Handwash training lotion (i.e., lotion that glows under blacklight)
- ☑ Blacklight (e.g., blacklight flashlight)

Supplies

AGE OF THE EARTH

- ☑ Dish drainboard, or tray with the ability to prop one end 1-2" higher than the other
- ☑ 2-3 quarts of moist dirt
- ☑ Clear jar, casserole dish, or other container to catch water from drainboard
- ☑ Watering can with multiple holes, strainer, or sprayer attachment from sink, shower, or hose
- ☑ Water balloon
- ☑ Plaster of paris
- ☑ Paper cups
- ☑ Modeling clay
- ☑ Sidewalk chalk

ELECTRICITY II

- ☑ 2 C or D batteries
- ☑ 2 identical incandescent flashlight bulbs
- ☑ Small electrical wire (e.g., hook-up wire)
- ☑ Electrical tape
- ☑ 2 mini bulb holders (a.k.a. mini lamp base or bulb socket)
- ☑ Wire cutters

MICROSCOPIC ORGANISMS II

- ☑ Microscope
- ☑ Microscope slides
- ☑ Cover slips
- ☑ Pasteur pipettes
- ☑ Tissue samples and tools to prepare them (e.g., onion, moss, elodea, toothpick, sterile lancet) or prepared slides of plant and/or animal tissues
- ☑ Small jars with tight-fitting lids

CLIMATE & WEATHER I

- ☑ Large container for water (e.g., large bowl, plastic bin)
- ☑ Two drinking glasses

LIGHT I

- ☑ 3 small mirrors
- ☑ Flashlight or lamp
- ☑ Rubber ball
- ☑ Bowl large enough to hold rubber ball
- ☑ Prism or crystal
- ☑ 3 colors of plastic wrap, cellophane, or other colored plastic (red, green, and blue)
- ☑ Piece of white tagboard or posterboard
- ☑ A variety of colors of paper, including black and shades of gray