

# Supplies

## CELLS I

- ☑ Pocket magnifier
- ☑ Microscope (see Appendix for Microscope Buying Guide)
- ☑ Microscope slides
- ☑ Cover glass
- ☑ Tweezers
- ☑ Pasteur pipettes
- ☑ A variety of fresh plant materials (e.g. fresh onion, a sprig of Elodea, moss, and/or tropical plant leaves)
- ☑ A toothpick
- ☑ Prepared slides or photomicrographs of animal tissues

## FLIGHT

- ☑ Two straight sticks (e.g. dowels)
- ☑ A garbage bag or sheets of newspaper
- ☑ Packing tape
- ☑ A long length of string (ideally minimum 50')
- ☑ Ribbon
- ☑ Sink, bathtub, pool, or tub of water

## ATOMIC/MOLECULAR MOTION I

- ☑ A dry lump of clay or sugar cube
- ☑ Microscope
- ☑ Microscope slide
- ☑ Cover glass
- ☑ Pasteur pipette
- ☑ 1 tsp homogenized whole milk
- ☑ Food coloring
- ☑ A container of something strong-smelling (e.g. a bottle of perfume, a jar with a banana peel inside, a bottle of nail polish remover, a jug of vinegar)
- ☑ A sweet drink or a scoop of sugar
- ☑ A scoop of soil
- ☑ Cooking oil

## CELLS II

- ☑ Square of chocolate
- ☑ Kitchen knife
- ☑ Plant(s) from which to take cuttings; mint works well
- ☑ Very sharp knife or pruners
- ☑ A cup(s) with water (for the cutting(s))

# Supplies

## BALANCE

- ✂ Straightedge
- ✂ Small to medium potato
- ✂ Two metal table forks
- ✂ Sheet of cardstock
- ✂ Two pennies
- ✂ Tape
- ✂ Broom
- ✂ Colored tape
- ✂ 10-12" paper plate
- ✂ Two large binder clips
- ✂ Stick

## FUNGI & BACTERIA I

- ✂ Button mushrooms
- ✂ Microscope
- ✂ Microscope slide
- ✂ Cover glass
- ✂ 4 mugs
- ✂ 4 tea bags
- ✂ Sheet of paper
- ✂ Bowl

## DENSITY

- ✂ 100mL graduated cylinder
- ✂ An assortment of small items made of different uniform materials that can fit in your graduated cylinder
- ✂ A small piece of clay
- ✂ A 3 or 4 beam balance or kitchen scale
- ✂ Olive oil
- ✂ Sugar or salt
- ✂ Clear container with lid, e.g. test tube or empty bottle

## SEASONS

- ✂ Flashlight with spotlight beam
- ✂ Yardstick or tape measure
- ✂ Colored tape
- ✂ Globe mounted on a stand
- ✂ Naked lamp (a lamp with a removable shade)
- ✂ String
- ✂ Protractor
- ✂ Thermometer that can be used in boiling water

## LIFE OF PLANTS I

- ✂ Two or more samples of different soil or soil materials (e.g. potting soil, loam, sand)
- ✂ Coffee filter
- ✂ Funnel
- ✂ 100mL graduated cylinder
- ✂ Plant seeds and/or seedlings

## ENERGY IN MOTION

- ✂ Soccer ball or another similarly-sized ball
- ✂ Skateboard or another wheeled object student can stand or sit upon
- ✂ At least two balls that will collide well
- ✂ Rope or garden hose
- ✂ Slinky

## BUOYANCY

- ✂ Plastic square-sided one-gallon milk jug or juice container
- ✂ Balance or kitchen scale (measure grams)
- ✂ A small, low-sided, lightweight container
- ✂ Item(s) to float as "ships"
- ✂ Coins or other "cargo" for the "ships"
- ✂ Foil
- ✂ Graduated cylinder
- ✂ Drinking straw
- ✂ Non-drying modeling clay
- ✂ Permanent marker