



Purchase/Acquisition List

The items that are not things that can easily be found around the house. As such, they are listed here so that they may be acquired in advance.

Needed Immediately in Unit 1

- A Stitched, Composition Style, 8.5 x 11 Quadrille (graph) Notebook.
 - A standard ruled, 8.5 x 11 composition notebook may be used.
 - A spiral bound notebook may be used, but is not recommended.
- Drawing Materials to include a standard pencil, colored pencils, and eraser.

Needed Eventually

- Magnifying glass
- A cross-cut section of a tree trunk (or access to a stump)
- Rubbing Alcohol
- Petroleum Jelly
- Food coloring (red & blue)
- Potted Geranium
- Dry beans (about 50)
- Dry corn kernels (about 10)
- Seed Sampler: Any 6 to 10 plants may be chosen (grasses, vegetables, flowering, etc.) [Here is a sampler from Amazon](#)
- Large jar with an air tight lid (one of those big pretzel jars works well)
- Large fresh cut flower

Items by Unit

The items are listed by unit. This list includes the purchase items above, as well as household items. Note the difference between htnk

Unit 6:

- String (about 15 feet)

Unit 11:

- A fruit or vegetable for dissection



Unit 12: Vascular Plant Lab

- One stalk of celery with leaves
- Glass jar
- Red food coloring
- Magnifying Glass
- Water

Unit 13:

- A leafy plant for dissection (e.g. lettuce, clump of grass)

Unit 15: Plant Stem Lab

- White, long-stemmed carnation (or other white flower)
- Red and blue food coloring
- 2 glass jars
- Knife
- water

Unit 16: Chlorophyll Lab

- 1 cup green leaves, torn into pieces
- Deep baking dish
- Water
- Small glass jar
- Rubbing alcohol

Unit 17: Photosynthesis, Respiration, & Transpiration Labs

- Geranium or other house plant with large leaves
- Aluminum foil
- Petroleum jelly
- Tree leaves (if available)
- Magnifying glass
- Plastic bag



Unit 18: Flower Dissection Lab

- Large fresh cut flower
- Black paper
- Tweezers
- Magnifying glass

Unit 19: Monocot & Dicot Seed Lab

- 10 beans
- 10 kernels of corn
- Toothpick or tweezers
- Magnifying glass

Unit 20: Germination Lab

- 32 bean seeds
- Paper towels
- Four glass jars
- Four ziplock bags
- water

Unit 20: Tree Rings Activity

- 1 cross cut section of a tree trunk or access to a stump

Unit 22: Window Garden

- Seed Sampler: Any 6 to 10 plants may be chosen (grasses, vegetables, flowering, etc.) [Here is a sampler from Amazon](#)
- Plastic cups to start plants in. A tray, planter, or planting box would work, as well, but be sure to label seeds so you know which is which.

Unit 24: Plant and Animal Cells

- NONE - In class lab
- Students are welcome to do the lab at home, if they wish. Materials are listed on *Life Science Quest*, page 7, as follows.
 - onion
 - water
 - slides
 - iodine
 - cover slips
 - eyedroppers
 - microscope
 - toothpick
 - needle



Unit 25: DNA

- NONE – In class lab
- Students are welcome to do the lab at home, if they wish. Materials are listed on *Life Science Quest*, page 13, as follows.
 - 1 cup chopped onion
 - 1 teaspoon salt
 - 2 small beakers or jars
 - ½ cup warm water
 - ¼ cup liquid dish soap
 - A microscope is needed.
 - Meat tenderizer
 - Blender
 - Toothpicks
 - Microscope
 - Funnel
 - slides

Unit 27: Protist & Yeast Labs

- NONE – In class lab
- Students are welcome to do the lab at home, if they wish. Materials are listed on *Life Science Quest*, page 26-27, as follows.
 - Microscope
 - Cover slips
 - Slides
 - Eyedropper
 - Water samples from: pond, river, tap, bottled, etc.
 - Yeast
 - magnifying glass
 - glass beaker or jar
 - sugar
 - warm water

Unit 29: Water Cycle in a Jar Lab

- Large jar with air-tight lid
- Soil
- Gravel/pebbles
- Plants that can be transplanted into jar
- Soda bottle lid