



ENLIGHTIUM
ACADEMY

Honors Science 5 Supply List

Note: The * next to an experiment name indicates that there is a video within the assignment that can be used if the supplies are unavailable. If you are unable to obtain supplies for any experiments not marked with an asterisk (*), please inform your teacher.

UNIT 1: CELLS

Experiment: Onion Cells*

- An onion bulb with leaves and root
- Tweezers
- A microscope
- A microscope slide
- A microscope slide cover
- An iodine stain
- An eye dropper
- A knife

Experiment: Pond Water Examination*

- A microscope
- A microscope slide
- A microscope slide cover
- An eye dropper
- Pond water

UNIT 2: PLANTS: LIFE CYCLES

Experiment: Flower Dissection*

- 2 flowers
- A microscope
- Two microscope slides
- Two microscope slide covers
- A magnifying glass
- Straight pins
- Paper
- An eye dropper
- A sharp knife

Experiment: Seed Dissection*

- A beaker or a small jar half full of water
- 2 or 3 lima bean seeds
- A razor blade or a craft knife
- Tweezers
- A magnifying glass

Experiment: Mold*

- 4 clear sealable plastic bags (sandwich-sized)
- A spray bottle full of water
- A slice of bread
- A piece of fruit
- A piece of cheese
- One cracker
- Tape

UNIT 3: ANIMALS: LIFE CYCLES

Experiment: Mealworm*

- A small clear container with lid
- Bran flakes or oatmeal
- A potato
- A magnifying glass
- A mealworm
- A knife

Experiment: Chicken Egg

- A chicken egg
- An eyedropper
- A small dish
- Tissue paper
- A magnifying glass
- Food coloring

UNIT 4: BALANCE IN NATURE

Project: Cycles

- Paper
- A pencil

Report: Prairie Birds

- Research resources

Project: Special Environments

- Research resources
- Paper

- A pencil

UNIT 5: TRANSFORMATION OF ENERGY

Experiment: Heat From Bending

- 2 paper clips

Experiment: Heat Energy In A Chemical Reaction*

- 100 mL of vinegar
- A spoonful of baking soda
- A glass jar
- A thermometer

UNIT 6: RECORDS IN THE ROCK: THE FLOOD

Project: Interview with Noah

- N/A

Report: Ancient Flood Stories

- Research resources

UNIT 7: RECORDS IN THE ROCK: FOSSILS

Experiment: Mold Fossil Copy

- A small plastic container
- Modeling clay
- A seashell or a bone

Project: Make a Cast Fossil Copy

- The mold fossil copy from “Experiment: Mold Fossil Copy”
- Molding plaster
- A tin can
- A stick
- A jar of water

Project: Be Creative

- Paper
- A pencil

UNIT 8: RECORDS IN THE ROCK: GEOLOGY

Experiment: Examine A Mineral

- Small amount of table salt
- A magnifying glass
- Colored paper

Experiment: Erosion*

- A plastic tub or a metal pan
- A short board
- Mixture of soil, sand, and large and small pebbles
- A glass of water

Project: Volcano Summary

- Research resources

UNIT 9: CYCLES IN NATURE

Experiment: Types of Changes*

- A small utility candle and holder
- Matches
- A metric balance
- Three small sheets of paper
- A watch glass or crucible
- 3 test tubes
- 100mL beaker
- Table salt
- Baking soda
- Vinegar

Project: Globe*

- A globe with a tilted axis

Report: Famous Comets

- Research resources

UNIT 10: REVIEW

No Projects