

# LABORATORY EQUIPMENT

## Advanced Biology in Creation Laboratory Equipment by Module

Items listed in *Italics* are found in the laboratory kit.

### Module 1

- No experiments

### Module 2

- *Two test tubes (kit)*
- *One test tube cap (kit)*
- *Measuring scoop (kit)*
- *Plastic dropper (kit)*
- *Cobalt chloride (kit)*
- *Sodium ferrocyanide (kit)*
- *Ferric Ammonium sulfate (kit)*
- *Phenolphthalein solution (kit)*
- *Paper towel (kit)*

### Module 3

- *Cobalt chloride (kit)*
- *Chemical scoop (kit)*
- *Test tube (kit)*
- *Cap for test tube (kit)*
- *Q-tip (kit)*
- White paper (home)
- Hair dryer (home)

### Module 4

- *Cobalt chloride (kit)*
- *Two plastic test tubes (kit)*
- *Measuring scoop (kit)*
- *Two plastic eyedroppers (kit)*
- Someone to help you (home)
- Water (home)
- Heat to boil water (home)
- A small glass (home)

- A styrofoam coffee cup (home)
- A white piece of paper (home)
- *Ammonium chloride (kit)*
- *Copper Sulfate (kit)*
- *Sodium thiosulfate (kit)*
- *Sodium ferrocyanide (kit)*
- *Plate with all of the depressions in it (kit)*
- *Droppers (kit)*
- *Measuring scoop (kit)*
- Magnifying glass (or microscope) (home)
- Distilled water (home)

## Module 5

- *Sodium sulfate (kit)*
- *Two test tubes with caps (kit)*
- *Small funnel (kit)*
- *Filter paper (kit)*
- *Clear plastic plate with depressions in it (kit)*
- *Plastic droppers (kit)*
- Water (home)
- Pan to boil water in (home)
- Ice (home)
- Stove (home)
- Two Styrofoam cups (home)
- Thermometer (home)
- Water (home)
- Salt (home)
- Ice (home)
- Tablespoon (home)
- Small saucepan (home)
- Saucepan lid or frying pan lid larger... (home)
- Large bowl... (home)
- Potholders (home)
- Zippered plastic sandwich bag (home)
- Stove (home)
- *Three sheets or chromatography paper (kit)*
- Three small glasses (home)
- Three paper clips (home)
- Plate (home)
- Pencil (home)
- Tape (home)
- Blue food coloring (home)
- Yellow food coloring (home)
- Green food coloring (home)
- Liquid dish soap (home)

- Vegetable oil (home)
- Dropper (home)
- Two bowls (home)
- Water (home)

## Module 6

- *Filter paper (kit)*
- *Funnel (kit)*
- Stove (home)
- Saucepan (home)
- Baking soda (home)
- Table salt (home)
- Two glasses (home)
- 1/3 measuring cup (home)
- Spoons for stirring (home)
- *3 test tubes (kit)*
- *Test tube caps (kit)*
- *Test tube rack (kit)*
- *Potassium iodide solution (kit)*
- *Lime water solution (kit)*
- *Copper sulfate (kit)*
- *Sodium sulfate (kit)*
- *2 droppers (kit)*
- *Scoop (kit)*
- Water (home)

## Module 7

- *Universal indicator solution and reference sheet (kit)*
- *Three test tubes (kit)*
- *Test tube rack (kit)*
- *Two test tube caps (kit)*
- *A dropper (kit)*
- *Chemical scoop (kit)*
- Baking soda (home)
- Distilled water (home)
- Clear soda pop (home)

## Module 8

- *Universal indicator solution and reference sheet (kit)*
- *Two test tubes (kit)*
- *Test tube rack (kit)*
- *Three droppers (kit)*
- *Chemical scoop (kit)*

- Baking soda (home)
- Distilled water (home)
- Clear vinegar (home)
- Clear soda pop (home)

## Module 9

- *Depression plate (kit)*
- *Copper (II) sulfate (kit)*
- *Measuring scoop (kit)*
- *Zinc wire (kit)*
- *Dropper (kit)*
- *Water (home)*
- *Copper sulfate (kit)*
- *Copper wire (kit)*
- *Zinc wire (kit)*
- *Two test tubes (kit)*
- *One test tube cap (kit)*
- *Chemical scoop (kit)*
- *Test tube rack (kit)*
- Paper towel (home)
- Scissors (home)
- Table salt (home)
- Water (home)
- Aluminum foil (home)
- Small glass (home)
- Voltmeter (home)
- *Copper sulfate (kit)*
- *Depression plate (kit)*
- *9-Volt battery cap (kit)*
- *Chemical scoop (kit)*
- *Dropper (kit)*
- Distilled water (home)

## Module 10

- *Zinc wire (kit)*
- *Ferric ammonium sulfate (kit)*
- *Copper sulfate (kit)*
- *Lime water (kit)*
- *Depression plate (kit)*
- *Dropper (kit)*
- *Chemical scoop (kit)*
- Distilled water (home)
- Steel wool, sandpaper, or some other... (home)

## Module 11

- *Sodium thiosulfate (kit)*
- *Potassium iodide (kit)*
- *Five droppers (kit)*
- *Starch packing peanut (kit)*
- *Two test tubes (kit)*
- *Test tube cap (kit)*
- *Test tube rack (kit)*
- Hydrogen peroxide solution (home)
- Distilled water (home)
- Clear vinegar (home)

## Module 12

- Plastic trash bag (home)
- Scissors (home)
- *Guar gum (kit)*
- *Borax (kit)*
- *Chemical scoop (kit)*
- *Test tube (kit)*
- *Test tube cap (kit)*
- ½ measuring cup (home)
- Plastic or Styrofoam cup (home)
- Food coloring (optional) (home)
- Spoon (home)
- *Borax (kit)*
- *Chemical scoop (kit)*
- *Test tube (kit)*
- *Test tube cap (kit)*
- White school glue (home)
- Plastic or Styrofoam cup (home)
- Old spoon (home)

## Module 13

- Packet of active dry yeast (home)
- Warm water (home)
- Tablespoon (home)
- Measuring cup (home)
- Glass that holds at least 1 cup of water (home)
- Sugar (home)
- *Sodium carbonate (kit)*
- *Calcium hydroxide solution (kit)*
- *Copper (II) sulfate (kit)*
- *2 test tubes (kit)*

- *Test tube rack (kit)*
- *Depression plate (kit)*
- *4 plastic droppers (kit)*
- Cream of tartar (home)
- Hot water (home)
- Small plate or bowl (home)
- Bowl (home)
- Toothpick (home)
- Vinegar (home)
- Teaspoon (home)

#### **Module 14**

- No experiments

#### **Module 15**

- No experiments

#### **Module 16**

- No experiments

