

# A Logos Science Lab Kit for use with BJU Press Biology (4th Ed.)

## Supplies Included

- Balloon, Lab 21A  
Beaker, 15 mL, Lab 12  
Beaker, 150 mL (3), Labs 2, 12  
Brine shrimp eggs, Lab 19  
Cellophane, red and green, Lab 23C  
Cork, Lab 3A  
Cotton swabs, (2), Lab 23B  
Cups, plastic, 9 oz, (3), Labs 2, 4, 7A  
Dialysis tubing, 20 cm, (3), Lab 2  
Dissection kit, Labs 15D, 16A, 16B, 17B, 18A, 25, Final extra blades  
forceps, Lab 10B, pipet (eye dropper), Labs 2, 3A, 3B, 12  
pins, probes, ruler 6", Lab 21 A, scalpel, Labs 3A, 12, 13B, 14, 15A  
scalpel with removable blade scissors  
Dissection tray, Labs 15D, 16A, 16B, 17B, 18A, Final  
Feather, down and body, Lab 18A  
Gelatin packet, Lab 1 OB  
Gloves, disposable (6 pair), Labs 15D, 16A, 16B, 17B, 18A, Final  
Goggles, (2), Labs 7A, 15D, 16A, 16B, 17B, 18A, 25, Final  
Graduated cylinder 25 mL, Lab 4, 7 A  
Hair samples, Lab 18B  
Hand lens, Labs 1 B, 7B, 12, 13B, 14, 15A, 15D, 17B, 18A, 18B  
Lens paper, Lab 1 B  
Microscope cover slips, 1 box, Labs JB, 3A, 3B, 12, 13B, 15A, 18A, 18B  
Microscope slide, blank (4), Labs JB, 3A, 3B  
12, 13B, 18A, 18B  
Microscope slide, concave (3), Labs JB, 3A, 3B, 12, 15A  
Petri dishes (2), Lab JOB, 17B  
Pipet, graduated (5), Lab 19  
Pipet, mini (3), Lab 25  
Ruler 12", Labs 2, 4, 18B, 21A, 23B  
Sponge, natural, Lab 15A  
Stir rods, glass (2), Labs 7A, 23B  
Sugar cube, Lab 23B  
Syringe 5 cc, Lab 4  
Test tube (2), Lab 7A  
Toothpicks, flat (10), Labs 3A, 3B, 12, 22A  
Tuning fork, 256 Hz, Lab 23C  
Yeast packet, Lab 12  
Zombie cards (80), Lab J0C  
Neomycin (2), Lab 1 OB  
Iodine stain, Lab 3B  
Methylene blue, Labs 3A, 12  
pH paper, Lab 4, 7 A

### PREPARED SLIDES

- Dicotylmonocot stem, Lab 13B  
Euglena, Lab 11  
Horse ascaris, Lab 5A  
Human blood slide, Lab 22A  
Muscle, 3 types, Lab 20C  
Onion root tip, Lab 5A  
Paramecium, Lab 1 B, 11

### SPECIMENS

- Crayfish, Lab 16A  
Earthworm, Lab 15D  
Fish (perch), Lab 17B  
Grasshopper, Lab 16B  
Rat, Lab Final exam

### GRAPHICS AND VISUALS

- Digital media supplement (CD), Labs JB, 11, 12, 15A, 15B, 15C, 16C, 18A, 20B, 20C  
Lab 9 Activity packet  
Snellen Eye Chart, Lab 2 3C

### CHEMICALS

- Antibiotic discs (4): Erythromycin (2);



**WARNING! CHOKING HAZARD:**

-Small parts. Not for children under 3 years.

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## Supplies Needed

Lab 1A	Meter stick or yardstick
Lab 1B	Colored thread, computer, microscope
Lab 2	Binder clips, distilled water, table sugar, masking tape, paper towel, permanent marker, stopwatch
Lab 3A	Distilled water, microscope, onion scale, paper towel, water
Lab3B	Anacharis/Elodea plant, banana, light source (optional), microscope, salt, tap water
Lab 4	Baking soda, medium size bowel, desk lamp (or other light source), hole punch or straw, spinach leaves, stopwatch, vinegar, water
Lab 5A	Microscope
Lab 5B	None
Lab 6	Reference materials (see BJU Press website)
Lab 7A	Distilled water, clear liquid dish soap, rubbing alcohol (70% or stronger) ice cold, salt (non-iodized)
Lab 7B	Reference materials
Lab 8	Bible
Lab 9	Flight feather
Lab 10A	Cheese stick (mozzarella without preservatives), containers (2) (e.g small aluminum baking pans), grapes (2), oven, plastic wrap, radishes (2), topsoil (natural)
Lab 10B	Beef bouillon cube, cotton swab, heat source, measuring cup, permanent marker, refrigerator, small mixing bowl, water
Lab 10C	None
Lab 11	Computer, microscope, pond water, reference materials
Lab 12	Bread, fresh mushrooms, immersion oil, microscope, plastic storage bags, sugar, squash, water
Lab 13A	Living and preserved plant specimens
Lab 13B	Collection of leaves, dormant twigs, fresh spinach or geranium leaves, leaves with epidermal hairs, microscope, plants rooting in water, reference materials
Lab 14	Fresh flower specimens, fresh fruit specimens, seeds, large kitchen knife
Lab 15A	Computer, microscope
Lab 15B	Computer, reference materials
Lab 15C	Computer, reference materials
Lab 15D	Plastic bag
Lab 16A	Plastic bag
Lab 16B	None
Lab 16C	Reference materials
Lab 17A	Living fish
Lab 17B	Plastic bag

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## Supplies Needed

Lab 18A	Computer, flight feather, microscope, raw chicken egg, reference materials
Lab 18B	Mammal fur, mammal skull or reference materials, microscope, mirror
Lab 19	Three glass jars (one cup to one quart size), liquid soap, measuring spoon, non-chlorinated water, non-iodized salt, plastic container lids, vinegar
Lab 20A	Articles, 3x5 " index cards
Lab20B	Computer, colored pencils, reference materials, skeletal diagrams
Lab20C	Colored pencils, human muscle diagrams, microscope, reference materials
Lab 21A	Stethoscope (optional)
Lab 21B	Calculator (optional)
Lab 22A	Blood typing kit, colored pencils, microscope, reference materials
Lab 22 B	Colored pencils, pressure scuff, rubbing alcohol, stethoscope, stopwatch, tissues
Lab 23A	Flashlight, reflex mallet
Lab 23B	Blindfold, coffee cups, water, paper towels, stopwatch, swivel chair, vanilla extract, washable pen
Lab 23C	Flashlight, mirror, pencil, tape measure, white paper, Holmgren color test
Lab24	Reference materials
Lab25	(Optional Lab) fertilized chicken eggs, incubator, physiological saline, shallow dishes
Laboratory Final	Plastic bag, reference materials

*\*Items not included in the individual labs will be noted by an asterisks*

*NOTE: For the stopwatch, use a cell phone or go online.*