

# Kit Materials List

1	Activated carbon, 100 g*	10	Needles, teasing
1	Bacteria, nitrifying pellets, p/2 g*	1	Nitrate pollutant, 30 mL*
1	Bacteria, oil-hungry, 5 g*	1	Oil, refined motor, 30 mL*
70	Bags, resealable, sandwich size (6"×6")*	10	Pellets, owl*
10	Bags, resealable, small (3"×5")*	10	Pencils, colored set of green, yellow, red, orange, and blue†
1	Bleach 2%, solution, 125 mL*	10	Pencils, wax
1	Book, <i>Guide to Microlife</i>	50	Petri plates†
20	Bottles, glass, 30 mL (with screw caps)	10	Petri plates, 3-chamber†
10	Bottles, spray	70	Pipets, plastic, 1 mL
1	Brine shrimp eggs, 6 g*	1	Poster, Ecology of Vernal Pools†
30	Caps, for clear plastic tubes	1	Poster, Owl Pellets†
10	Capsules, test for nitrogen (maroon capsule)*	1	Potassium aluminum sulfate, 30 g*
10	Capsules, test for pH (green capsule)*	40	Pots, for planting
10	Capsules, test for phosphorus (blue capsule)*	1	Red dye solution, 30 mL*
10	Capsules, test for potassium (orange capsule)*	1	Rubber bands, pkg (approximately 300)
10	Cheese cloth, 6-inch square pieces*	10	Rulers, 12-inch
5	Clay, modeling, sticks*	2	Salt (NaCl), 25 g*
10	Containers, plastic	1	Sand, black, 3 lbs†*
1	Copper sulfate 1.5%, 30 mL*	1	Sand, coarse, 5 lbs†*
1	Cover slips, p/100*	1	Sand, fine, 3 lbs†*
1	Cup, Styrofoam*	3	Scoops, plastic
100	Cups, medicine	1	Seeds, irradiated, 500 gy, 4 g*
30	Cups, plastic, clear, 10 oz	1	Seeds, irradiated, 150 gy, 4 g*
2	Density indicator cards, sheets/5	1	Seeds, irradiated, 50 gy, 4 g*
20	Discs, opaque, blue	2	Seeds, radish, p/4 g*
1	Fertilizer, 3 g*	10	Sieves, plastic, 3 mm diameter holes
10 pr.	Forceps	10	<i>Soil Test Color Chart</i> , sheets
1	Gravel, 2.75 lbs†*	2	Soil, p/3 lbs†*
1	<i>Habitat</i> board, blue	2	Soil, potting, bags†*
1	<i>Habitat</i> board, burgundy	10	Spoons, plastic
1	<i>Habitat</i> board, green	10	Spot plates
1	<i>Habitat</i> board, red	1	Stormwater runoff without salt, simulated, 30 mL*
1	<i>Habitat</i> board, yellow	1	Stormwater runoff with salt, simulated, 30 mL*
1	<i>Habitat</i> cards, set of 200	1	String, cellulose, 2 ft*
10	Index cards, p/100*	1	String, nylon, 2 ft*
1	Iodine solution, 2%, 15 mL*	5	String, rolls*
70	Labels, for planting pot	1	String, yarn, 2 ft*
2	Loeffler's methylene blue stain, bottle/30 mL*	1	Sucrose, 200 g*
10	Magnifying glasses	10	Swabs, cotton, sterile*
1	Microbial mixture, 1 oz*	20	Tablets, Alka-Seltzer®*
1	Microscope slide, p/72		

To order consumable items, please call 1-800-225-3739.

20	Tablets, test for chlorine*		
20	Tablets, test for copper*	10	Gloves (per student)
40	Tablets, test for dissolved oxygen*	1	Graduated cylinders, 50 mL
20	Tablets, test for hardness*	1	Graduated cylinder, 100 mL
60	Tablets, test for nitrate*	10	Graduated cylinders, 200 mL
20	Tablets, test for phosphate*	1	Graduated cylinder, 500 mL
4	Tape measures	4	Guides, Tree identification
1	Test strips, pH, pkg (approximately 300)*	1	Humidity probe (hygrometer) (optional)
40	Test tubes	1	Incubator, 37° (optional)
10	Thermometers, soil†	1	Jar or beaker, wide-mouth
10	Trays, watering	20	Jars, collection (with screw cap) – baby food jars will work well
10	Trowels, small†	20	Lamps with 100W bulbs
30	Tubes, clear plastic†	1	Light, plant grow
20	Tubes, culture, with cap	10	Microscopes, compound light (400×)
30	Vials, glass, with screw cap	10	Microscopes, stereo
1	Vinegar, (5% acetic acid), 125 mL*		Microwave oven
10	Water Pollutants Color Charts, sheet	1	Paper towel, roll
1	Water sample, unknown #1, 120 mL*	10 pc.	Paper, newspaper
1	Water sample, unknown #2, 120 mL*	11	Paper, white/sheets
1	Yeast, baker's, p/3*		Parafilm
1	Curriculum Guide	40	Pencils
1	Curriculum Resource CD-ROM	1	Pipet, 1 mL, graduated
		1	Pipet, 5 mL, graduated
		10	Plates, paper
		10	Rods, stirring, glass
			Safety goggles (per student)
		10 pr.	Scissors
		10	Spoons or stirring rods
		10	Stopwatches
		4	Study zone maps
		1	Tape, masking, roll
		1	Tape, roll
		10	Test tube, racks
		10	Thermometers
		1	Toothpicks, box
		1	Vaseline, jar
			Water, distilled or bottled
		1	Wrap, plastic, roll

\* = consumable item

† = in separate box

#### Teacher-Provided Items

1	Aluminum foil, piece
	Aprons (per student)
1	Balance, digital (readability 0.01 g)
1	Beaker, 1 L
3	Beakers, 500 mL
1	Beaker, 200 mL
1	Beaker, 100 mL
20	Bottles, 2-L plastic, soda (empty)
1	Bucket, 5 gallon
1	Bunsen burner
10	Calculators (optional)
10	Clothespins
1	Erlenmeyer flask, 500 mL

To order consumable items, please call 1-800-225-3739.