

abeka®

KIT CONTENTS LIST FOR USE WITH:

Biology: God's Living Creation (Grade 10)  
4th Edition

*Home Science Tools is not affiliated with the above curriculum publisher.*

<u>Text Reference</u>	<u>Item Description</u>	<u>Item Quantity</u>	<u>Notes</u>
2-23	Home LED Microscope (MI-4100LST)	0	We recommend this microscope as the best choice for most home schools. See our website for other microscope options.
1	Card stock, 110#, 8-1/2" x 11", white (PT-CARDSTK)	5	Use this card stock paper to display your flowers/leaves in the plastic sheet pockets.
1	Plant mounting labels, sheet of 14 labels (PT-LABELPL)	1	14 blank labels for your flowers/leaves displays.
1	Plant Press 6" x 9" (BE-PRE0609)	1	
1	Plastic sheet, 8"x11" (GS-PAPPLAS)	5	Use these plastic sheet pockets to display your flowers/leaves with the labels.
1	Wildflowers Golden Guide (BK-GFLOWER)	1	
1-21	Magnifier, double lens, 5X/10X (OP-MAG10LG)	1	
2	Fabric Sample, Cotton (sold only in kits) (PT-FABCOTT)	1	Use this fabric sample for Lab 2
2	Fabric Sample, Polyester (sold only in kits) (PT-FABPOLY)	1	Use this fabric sample for Lab 2
2	Fabric Sample, Wool (sold only in kits) (PT-FABWOOL)	1	Use this fabric sample for Lab 2
2	Letter "e", w.m. (MS-ELETTER)	1	Prepared slides shipped in a 25-slide case to prevent breakage.
2, 3, 4, 6, 7, 16, 20, 22	Microscope Slide Set, Basic (MS-SLIDSET)	1	This slide set includes: 12 plain glass slides 2 concavity glass slides 25 slide box 100 slide coverslips included in kit
2, 3, 6, 8	Lens Cleaner, 60 ml (MI-LENSCLN)	1	
2, 3, 6, 8	Lens Cleaning Paper, 50 pack (MI-PAPER)	1	
2, 4, 6, 10	Plastic Graduated Cup, 8 fl oz. (CE-GRADCUP)	7	Use these graduated cups to hold water for Labs 2, 4, 6 and to prepare solutions in Lab 10 in place of dropper bottles and a graduated cylinder. Use pipets to transfer liquid. These cups are meant to be used during the lab and not for long term storage for the prepared solutions.
2-22	Advanced Dissecting Tools (DE-SET1)	1	
3	Elodea (Anacharis) - Live Culture (LD-ELODEA)	1	Purchase this live culture separately. We recommend ordering a week before the lab.
3	Ficus (dicot) leaf slide, c.s. (MS-FICLEAF)	1	Prepared slides shipped in a 25-slide case to prevent breakage.
3, 6, 7, 8	Colored Pencils (BE-CPENCIL)	1	
4	Methylene Blue, 1%, 30 ml (CH-METHBLU)	1	

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4, 5, 10, 22	Chemical Splash Safety Goggles, Adult (CE-GOGGLE1)	1	Use safety goggles when working with chemicals to prevent injury to the eyes. Order extras as needed.
4, 5, 7, 10, 11	Pipet, disposable, 1 ml, 10 pack (CE-PIPET)	1	Use pipets in place of dropper bottles for using chemicals and making solutions.
4-21	Gloves, Nitrile, Size Medium, Pair (GS-GLOVNT)	10	Always use gloves when preparing chemical solutions and conducting dissections.
4-22	Lab Apron No 3, plastic, 2 mil (CE-APRON3)	1	Required for both teacher and student when using chemicals. Order extras as needed.
5	Seeds, baby lima bean, pack (LM-SEEDBEA)	1	
5	Seeds, baby lima bean, pack (LM-SEEDBEA)	1	
5, 10	Bottle, dropper, 30 ml (CE-BTGDROP)	8	
5, 10	Iodine (Lugol's) Biological Stain Solution, 30 ml (CH-IODINE)	1	
6	Ranunculus (Buttercup) slide, stem, c.s. (MS-RANSTEM)	1	Prepared slides shipped in a 25-slide case to prevent breakage. Use instead of alfalfa stem.
6	Seeds, radish, pack (LM-SEEDVEG)	1	
6	Tilia (Basswood) slide, c.s. (MS-BASSWD)	1	Prepared slides shipped in a 25-slide case to prevent breakage.
6	Zea Mays (Corn) slide, stem, c.s. (MS-ZEASTEM)	1	Prepared slides shipped in a 25-slide case to prevent breakage.
6, 11	Petri Dishes, polystyrene, 90 x 15 mm, 2 pack (BE-PETRI1)	1	
6, 23	Allium (onion) root tip slide, l.s. (MS-ALLROOT)	1	Prepared slides shipped in a 25-slide case to prevent breakage.
7	Desmids (green algae) slide, w.m. (MS-DESMID)	1	Prepared slides shipped in a 25-slide case to prevent breakage.
7	Diatoms slide, mixed, w.m. (MS-DIATMIX)	1	Prepared slides shipped in a 25-slide case to prevent breakage.
7	Spirogyra (green algae) slide, w.m. (MS-SPIROC)	1	Prepared slides shipped in a 25-slide case to prevent breakage.
7	Volvox (green algae) slide, w.m. (MS-VOLVOX)	1	Prepared slides shipped in a 25-slide case to prevent breakage.
7, 22	Protozoa Culture Kit (LM-PROTIST)	1	You can use this culture to grow algae and produce an environment similar to pond water, but it will have fewer life forms. Can also be used for lab #22 if you do both around the same time, or a second kit can be ordered.
8	Cartilage, hyaline, sec. (MS-CARTHYA)	1	Prepared slides shipped in a 25-slide case to prevent breakage.
8	Human bone slide, ground, c.s. (MS-HUBONE)	1	Prepared slides shipped in a 25-slide case to prevent breakage.
8	Muscle slide, 3 types, section (MS-MUSC3)	1	Prepared slides shipped in a 25-slide case to prevent breakage.
9	Neuron slide, motor, smear (MS-NEURON)	1	Prepared slides shipped in a 25-slide case to prevent breakage.
9	Percussion or Reflex Hammer (MC-PERCHAM)	1	

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9	Sheep Brain Specimen (PM-BRAINSH)	1	
9, 12, 14, 15, 16, 17, 18, 19, 20, 21	Dissecting Pan, 11" x 7" (DE-FLEXPAN)	1	
10	2,6-Dichloroindophenol (Indophenol), 0.5 g (CH-INDOPH)	1	Use this to make "fresh" Indophenol solution.
10	8oz Distilled Water in bottle (CH-DISTH2O)	5	Not included in kit. Purchase distilled water from your local grocery store.
10	Ascorbic Acid, 5 g (CH-ASCORB)	1	Use this ascorbic acid to make 0.1% and 0.05% solutions.
10	Beaker, glass, 1000 ml (CE-BE1000)	1	Use a pot with water on a stove to heat the test tubes for Part 1- Glucose. Use the test tubes clamps included to hold the test tubes.
10	Benedict's Solution, 100 ml (CH-BENSOL)	1	
10	Biuret Reagent, 30 ml (UN-BIURET)	1	
10	Dextrose (glucose), 30 g (CH-DEXTROS)	1	Use Dextrose to make 1% glucose solution.
10	Gelatin, unflavored, packet (PT-GELATIN)	1	Use this gelatin packet to make 1% gelatin solution.
10	Starch, water soluble, 30 g (CH-STARCH)	1	
10	Superior Balance Digital Pocket Scale, 600 g capacity, 0.1 g precision (BS-SPB600)	0	
10	Test Tube Brush, small (CE-TTBRUSH)	1	
10	Test Tube Clamp (CE-TUBHOLD)	1	Test tubes will need to be cleaned and re-used after each Part of the Lab. Lab will have to be performed sequentially.
10	Test Tube Rack, 6 holes (CE-TTRACK1)	1	
10	Test Tubes, large 16 x 150 mm (CE-TTUBELG)	3	Includes 6 large test tubes. Clean and re-use test tubes for each Part 1, 2, 3, and 4. Each part uses 6 test tubes. Clean test tubes after each Part of the Lab.
10	Vegetable Oil, 2 oz. (sold only in kits) (CH-OIL2OZ)	1	
10	Wax pencil (marks glass) (BE-WAXPENC)	1	
11	Human blood slide, Wright's stain, smear (MS-HUBLOOD)	1	Prepared slides shipped in a 25-slide case to prevent breakage.
12	Sheep Heart Specimen (PM-HEARTSH)	1	
13	Human skin slide, sweat gland, sec. (MS-HUSKSWG)	1	Prepared slides shipped in a 25-slide case to prevent breakage.
13	Human skin slide, white, section (MS-HUSKIN)	1	Prepared slides shipped in a 25-slide case to prevent breakage. Hair follicle are visible on this slide.
13	Human squamous epithelium slide, smear (MS-HUSQUAM)	1	Prepared slides shipped in a 25-slide case to prevent breakage.
13	Trachea slide, section (MS-TRACHEA)	1	Prepared slides shipped in a 25-slide case to prevent breakage.
14	Fetal Pig Specimen, 10"-13", Double Injected (PM-PIGXLG)	1	
14	String, heavy cord, 25' (MC-STRING)	1	
14, 15, 16, 17, 21	Dissection Pins, 6 pack (DE-PINS)	1	
15	Frog Specimen, Grass, 3" - 4", Single Injected (PM-FROG4S)	1	

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16	Perch Specimen, Large 9"-12", Plain <i>(PM-PERCH)</i>	1	
17	Grasshopper Specimen, Lubber, Large <i>(PM-GRASHOP)</i>	1	
18	Ethyl Acetate, 30 ml <i>(UN1173)</i>	1	For use with the killing jar.
18	Insect Killing Jar, 9 oz <i>(BE-KILLJAR)</i>	1	Use this Insect Killing Jar with the Ethyl Acetate to make your own preserved insect specimens for dissecting.
19	Crayfish Specimen, 4"-6", Plain <i>(PM-CRAYFSH)</i>	1	
20	Starfish Specimen, Plain <i>(PM-STARFSH)</i>	1	
21	Earthworm Specimen, 9-12", Plain <i>(PM-WORM)</i>	1	
22	Daphnia (crustacean) slide, w.m. <i>(MS-DAPHNIA)</i>	1	Prepared slides shipped in a 25-slide case to prevent breakage.
22	Daphnia Instant Culture Kit <i>(LM-INSDAPH)</i>	1	
22	Methyl Cellulose, 1.5%, 30 ml <i>(CH-METHCEL)</i>	1	
22	Protozoa mix slide, w.m. <i>(MS-PROTOZA)</i>	1	Prepared slides shipped in a 25-slide case to prevent breakage.
22	Protozoa Mixture - Live Culture <i>(LD-PROTOZA)</i>	1	Purchase this live culture separately. We recommend ordering a week before the lab.
22	Rotifers slide, w.m. <i>(MS-ROTIFER)</i>	1	Prepared slides shipped in a 25-slide case to prevent breakage.

1. The products in this kit are intended for parent/teacher use to complete curriculum lab activities with students.
2. Some items are not designed for or intended primarily for children ages 12 and under.
3. Some materials and many chemicals we provide are dangerous and may be harmful if misused. With your purchase, you are assuming all responsibility for any injuries or damages resulting from the storage, use, and disposal of all materials and chemicals.
4. Some products may differ from the web image (such as clay, food coloring, etc.)
5. Some items readily available at grocery stores or not offered by Home Science Tools are not included.
6. We guarantee that you will be happy with every purchase from HST. All products are covered by our 90-day money-back guarantee.

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