

**KIT CONTENTS LIST FOR USE WITH: Life Science (Grade 7)  
5th Edition  
BJU Press®**

*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>
1A-20E	BJU Press Life Science 7 Lab Manual <i>(BJ-SCI07-D)</i>		BJU Press Life science 7 lab manual. Order separatley
1A-20E	BJU Press Life Science 7 Teacher Lab Manual <i>(BJ-SCI07-E)</i>		BJU Press Life science 7 teacher lab manual. Order separatley
1A-20E	BJU Press Life Science 7 Teacher's Edition <i>(BJ-SCI07-C)</i>		BJU Press Life science 7 teachers edition. Order separatley
1A-20E	BJU Press Life Science 7 Textbook <i>(BJ-SCI07-B)</i>		BJU Press Life science 7 Textbook. Order separatley
MULTIPLE	Chemical Splash Safety Goggles, Adult <i>(CE-GOGGLE1)</i>	1	
MULTIPLE	Lab Apron No 3, plastic, 2 mil <i>(CE-APRON3)</i>	1	
MULTIPLE	Safety Gloves, size 8 - 8.5 Medium <i>(CE-SGLOVEM)</i>	1	
1D, 13E	Human skin slide, white, section <i>(MS-HUSKIN)</i>	1	
1D, 3D	Allium (onion) root tip slide, l.s. <i>(MS-ALLROOT)</i>	1	
1D, 3D, 7C, 13E	Home LED Microscope <i>(MI-4100LST)</i>		We recommend this microscope as the best choice for most home schools. It will provide excellent service through high school. See our website for other microscope options. Order separatley.
1D, 3D, 7C, 13E	Lens Cleaner, 60 ml <i>(MI-LENSCLN)</i>		Recommended to keep your microscope lenses clean. Order separatley if microscope is purchased.
1D, 3D, 7C, 13E	Lens Cleaning Paper, 50 pack <i>(MI-PAPER )</i>		Recommended to keep your microscope lenses clean. Order separatley if microscope is purchased.
2D	Food Coloring, 4 colors <i>(CH-FOODCOL)</i>	1	
2D	Measuring Spoons, Set of 6 <i>(CE-MESPOON)</i>		Optional. Use household measuring spoons to complete experiment. Order separately or find at local supply store.
2D	Stirring rod, polypropylene, 6" long <i>(CE-POLYROD)</i>	1	Optional. Use a spoon as suggested in the manual.
2D, 2E, 14E	Beaker, glass, 600 ml <i>(CE-BE10600)</i>		Optional. Heat alcohol in a pan on the stove (Activity 2E) and use any glass containers for 2D & 14E). Order separatley.
2D, 7D, 13F, 14D, 15D, 15E, 16E	Digital Stop Watch, 2" <i>(ME-STOPWAT)</i>		Timer required for experiments. A cell phone can be used instead. Order separatley.
2E	Aluminum foil sheet, 9 x 10 <i>(PT-FOIL)</i>		aluminum foil sheet. Order separatley or find at local supply store.
2E	Isopropyl Alcohol, 90%, 30 ml <i>(UN-ISOPALC)</i>		Purchase 70% solution at a local drug store. Order separatley or find a local supply store.
2E	Paper Clips, small, 100/box <i>(GS-PCLIPSM)</i>		Paper Clips, small, 100/box. Order separatley or find at local supply store.
2E	Petri Dishes, polystyrene, 90 x 15 mm, 2 pack <i>(BE-PETRI1)</i>	3	petri dishes.

<u>Text Reference</u>	<u>Item Description</u>	<u>Item Quantity</u>	<u>Notes</u>
2E, 6D	Iodine (Lugol's) Biological Stain Solution, 100 ml <i>(CH-IODN100)</i>	1	
2E, 6D, 14E	Electric Hot Plate <i>(CE-HOTELEC)</i>		Use a stove top and a pan to heat. Order separately.
4D	Chenille Stems, Yelllow, 4mm, 12" long <i>(PT-CHENYEL)</i>		Chenille Stems, Yelllow, 4mm, 12" long. Order separatly.
4D	Thumbtacks, 100 pack <i>(GS-TACKS)</i>		thumbtacks, 100 pack. Order separatley or find at local supply store.
4D	Toothpicks, pack <i>(GS-TOOTHPI)</i>		toothpicks pack. Order separatley or find at local supply store.
4E	Beads, multi-colored, 100 pack <i>(GS-BEAD100)</i>	1	
5D	Seed set, irradiated radish <i>(LM-SEEDIRR)</i>	1	
6D	Starch, water soluble, 30 g <i>(CH-STARCH)</i>		Use cornstarch to make 2% starch solution. Follow given dilution instructions or teacher's guide. Order separatley or find at local supply store.
6D, 14E	Amylase, Enzyme, 30 ml <i>(CH-AMYLASE)</i>	1	2% solution needed. Dilution instructions and bottle, CE-BTP125N, included.
6D, 14E	Test Tube Rack, 20 mm, 40 holes <i>(CE-TTR2040)</i>		Place test tubes in glasses to hold them upright. Order separatley.
6D, 14E	Test Tubes, large 16 x 150 mm <i>(CE-TTUBELG)</i>	10	Complete Activity 6D in parts to get by with 10 test tubes.
6D, 7C, 9C	Pipet, disposable, 1 ml, 10 pack <i>(CE-PIPET)</i>	1	Do not dispose pipettes after activities. Rinse to reuse.
6D, 7D, 14E	Graduated Cylinder, polypropylene, 25 ml <i>(CE-CYPP025)</i>	1	
7C	Microscope slide coverslips <i>(MS-SLIDCV)</i>	1	
7C	Protozoa Mixture - Live Culture <i>(LD-PROTOZA)</i>		Recommend purchasing this live protozoa culture when preparing to complete lab. Shipped directly to your house. Order separatley.
7C	Slides, concavity, 12 pack <i>(MS-SLIDC12)</i>	1	
7D	Balloons, medium, 9" <i>(GS-BALLOMD)</i>	1	
7D	Yeast, packet <i>(LM-YEAST)</i>	3	
7D, 11D, 11E, 16D	Thermometer, Fahrenheit & Celsius, 12" <i>(ME-THER30A)</i>	1	
8D	Digital Scale, 2000 g x 0.1 g <i>(BS-DB2000)</i>		Scale required for experiment. Recommend this scale for all labs in the curriculum. Order separatley.
9C	Cotton Balls, 12 count <i>(GS-CTTNBL)</i>	1	
9C	Glass Plate, 5" x 5" <i>(CE-GLASS5)</i>	2	
9C	Rubber bands, 1.4 oz. bag <i>(GS-RUBBAND)</i>		Rubber bands, 1.4 oz. bag. Order separatley or find at local supply store.
9C	Seeds, baby lima bean, pack <i>(LM-SEEDBEA)</i>	1	
9C, 14E	Wax pencil (marks glass) <i>(BE-WAXPENC)</i>		Wax pencil. Order separatley or find at local supply store.
9D	Sandpaper, 1 sheet medium grit <i>(PT-SANDPAP)</i>		use any sandpaper 320 fine grit. Order separatley or find at local supply store.
9D	Seeds, pea, pack <i>(LM-SEEDPEA)</i>	1	
10E	Science Notebook <i>(GS-SCINTBK)</i>		Science Notebook. Order separatley or find at local supply store.
11D	Styrofoam Cups, 8 oz, with lids 5 pack <i>(CE-CUPSTYR)</i>		Styrofoam Cups, 8 oz, with lids 5 pack. Order separatley or find at local supply store.

<u>Text Reference</u>	<u>Item Description</u>	<u>Item Quantity</u>	<u>Notes</u>
14E	Benedict's Solution, 100 ml <i>(CH-BENSOL)</i>	1	
14E	Bottle, 125 ml (4 oz), natural HDPE plastic <i>(CE-BTP125N)</i>	1	Use empty bottle for dilution solution Activity 14E
14E	Mortar and Pestle, 80 ml <i>(CE-MORTAR)</i>		Use a ziploc bag and blunt object to grind items. Order separately.
14E	Test Tube Clamp <i>(CE-TUBHOLD)</i>	1	
16D	Cup, clear plastic, 9 oz, 3 pack <i>(CE-BEAKCUP)</i>		Cup, clear plastic, 9 oz, 3 pack. Order separately or find at local supply store.
18C	Magnifying Glass, 2", 3X Lens <i>(OP-MAGNIFY)</i>		magnifying glass. Optional for Activity 18C. Order separately.
20D	Paper, blotter, 2 sheets 9x12" <i>(GS-PAPERBL)</i>		Blotter paper 2 sheets, 9x12. Use a piece of cloth as a substitute. Order separately or find at local supply store.

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.

**Home Science Tools**  
**665 Carbon Street • Billings, MT 59102**  
**Phone: 406-256-0990 • Fax: 406-256-0991**  
**[www.homesciencetools.com](http://www.homesciencetools.com)**