

abeka®

KIT CONTENTS LIST FOR USE WITH:

Science: Earth and Space (Grade 8)

2nd Edition

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

Multiple Chemical Splash Safety Goggles, Adult Coccessories	Text Reference	Item Description	<u>Item</u> Quantity	<u>Notes</u>
(CH-SSONOS) 1.3 Beaker, glass, 600 ml (CE-SENSON) 1.3 Calcium Carbonate, chips, 30 g (CH-CACCOS) 1.3 Electric Hot Plate (CCHOTTELE) 1.3 Red Cabbage Indicator Jiffy Julice Kit (CH-CACCOS) 1.3 Red Cabbage Indicator Jiffy Julice Kit (CH-CACCOS) 1.3 Spatula, stainless steel (CCHOTTELE) 1.3 Spatula, stainless steel (CCHOTTELE) 1.3 L1, 1.5, 3.1, 4.2, 7.1, Beaker, glass, 400 ml (CCHOTTELE) 1.3, 1.4, 1.5, 3.1, 4.2, 7.1, Beaker, glass, 400 ml (CCHOTTELE) 1.3, 1.4, 1.5, 4.2 (Clay, coarse powder, 1 lb. (GCHOTTELE) 1.3, 1.4, 1.5, 4.2 (Peat Moss (CH-CACCOS)) 1.4, 1.5, 1.5, 1.5, 1.5, 1.5, 1.5, 1.5, 1.5	Multiple		1	
C.C. BERNOW (C.C. BOTTOM) C.C. BOTTOM	1.3		1	Use this in place of ammonia for a weak base
(CH-CACCIO) 1.3 CHECHIC HOT Plate CE-HOTELE) 1.3 Red Cabbage Indicator Jiffy Juice Kit CE-HOTELE) 1.3 Red Cabbage Indicator Jiffy Juice Kit List in place of boiling red cabbage leaves. (PC-HOTELE) 1.3 Spatula, stainless steel CE-SATULA) Spatula, stainless steel CE-SATULA) CESSATULA) CESSA	1.3		2	Use the 400 mL beakers instead for this experiment.
Included in the kit. It It It It It It It	1.3		1	Use this in place of garden lime.
National Statistics Section 1	1.3		0	
(GE-SPATULA) 1.3, 1.4, 1.5, 3.1, 4.2, 7.1, Beaker, glass, 400 ml (GE-SEDIAD) 1.3, 1.4, 1.5, 4.2 (Clay, coarse powder, 1 lb. (GS-CLAYPOW) 1.3, 1.4, 1.5, 4.2 (Peat Moss (GS-CLAYPOW) 1.3, 1.4, 1.5, 4.2 (Peat Moss (GS-CLAYPOW) 1.3, 1.4, 1.5, 4.2 (SA-CRETINIOS) 1.3, 1.4, 7.1 (Strining Rod., glass, 10" (CE-STRINIO) 1.3, 2.2, 11.1 (DESTRINI) 1.3, 2.2, 7.1, 7.2, 10.1 (RULE, 30 cm (GF-PANDAW) 1.3, 7.1 (RESEDIAD) 1.3, 7.1 (RESEDIAD) 1.3, 7.1, 12.2 (Acetic Acid Solution 1 M, 100 mL (GF-ROLE)) 1.3, 7.1, 12.2 (Acetic Acid Solution 1 M, 100 mL (GF-ROLE)) 1.3, 8.2, 8.3 (Pipet (medicine dropper) (GE-PERTINI) 1.3, 8.3 (Pipet (medicine dropper) (GE-PERTINI) 1.4 (RESEDIAD) 1.5 (RESEDIAD) 1.4 (RESEDIAD) 1.5 (RESEDIAL) 1.5	1.3		1	Use this kit in place of boiling red cabbage leaves.
7.2, 8.2, 8.3, 9 (CEEDMON) 1.3, 1.4, 1.5, 4.2 Clay, coarse powder, 1 lb. (GS-CLAPPOW) 1.3, 1.4, 1.5, 4.2 Peat Moss (GS-PEATMOS) 1.3, 1.4, 1.5, 4.2 Sand, coarse, 1 lb (GS-STIRTIO) 1 1.3, 1.4, 7.1 Stirring Rod, glass, 10" (CE-STIRTIO) 1 1.3, 2.2, 11.1 Drawing Paper, white, 9"x12" (PF-PAPDAW) 4 white printer paper (PF-PAPDAW) 1.3, 7.1, 7.2, 10.1 Ruler, 30 cm (ME-RULER) 1 2 1.3, 7.1 Beaker, glass, 50 ml (CE-BRODOS) 2 2 1.3, 7.1, 12.2 Acetic Acid Solution 1 M, 100 mL (CHACETIC) 1 Use in place of household vinegar. No need to dilute. 1.3, 8.2, 8.3 Petri Dishes, polystyrene, 90 x 15 mm, 2 pack (RE-PETRIT) 2 Includes 4 petri dishes. Use the lid and base of the petri dishes in place of the watch glass. 1.3, 8.3 Pipet (medicine dropper) (CEDMOPPER) 1 Use for foam plate. 1.4 3"X5" ziplock bags, 2 mil (PET-PARSOTT) 1 Use in place of old cotton towel 1.4 Fabric Sample, Cotton (sold only in kits) (PET-PARSOTT) 3 Use in place of old cotton towel 1.4 Fertilizer, liquid, 2 oz (CETPRES) 1	1.3	Spatula, stainless steel	1	
1.3, 1.4, 1.5, 4.2 Peat Moss		Beaker, glass, 400 ml	3	
1.3, 1.4, 1.5, 4.2 Sand, coarse, 1 lb (GS-SANDCRS) 1.3, 1.4, 7.1 Stirring Rod, glass, 10" (CE-STIRTIO) 1.3, 2.2, 11.1 Drawing Paper, white, 9"x12" 4 white printer paper (PT-PAPDRAW) 1.3, 2.2, 7.1, 7.2, 10.1 Ruler, 30 cm (ME-RULER) 1.3, 7.1 Beaker, glass, 50 ml (CE-BIOSOS) 1.3, 7.1, 12.2 Acetic Acid Solution 1 M, 100 mL 1 Use in place of household vinegar. No need to dilute. (CH-ACETIC) 1.3, 8.2, 8.3 Petri Dishes, polystyrene, 90 x 15 mm, 2 Includes 4 petri dishes. Use the lid and base of the petri 2 pack (BE-PETRI) 1.4 3"x5" ziplock bags, 2 mil (PK-ZEPZK) 3 1.4 Dissecting Tray, Styrofoam 1 Use for foam plate. (DE-TRAYS) 1.4 Fabric Sample, Cotton (sold only in kits) 3 Use in place of old cotton towel (CH-FERTLIO) 1.4 Graduated Cylinder, polypropylene, 25 ml (CH-FERTLIO) 1.4 Graduated Cylinder, polypropylene, 25 ml (CE-CYPPAZS) 1 CRADERS 1 1.4 Graduated Cylinder, polypropylene, 25 ml (CE-CYPPAZS) 1 CRADERS 1 1.4, 2.2 Superior Balance Digital Pocket Scale, 600 g capacity, 0.1 g precision 1 CE-CYPPAZS 1 CRADERS C	1.3, 1.4, 1.5, 4.2		1	
1.3, 1.4, 7.1 Stirring Rod, glass, 10" (CESTRITO) 1 1.3, 2.2, 11.1 Drawing Paper, white, 9"x12" 4 white printer paper 1.3, 2.2, 7.1, 7.2, 10.1 Ruler, 30 cm (ME-RULER) 2 1.3, 7.1 Beaker, glass, 50 ml (CE-BEDOSO) 2 1.3, 7.1, 12.2 Acetic Acid Solution 1 M, 100 mL (CHACETIC) 1.3, 8.2, 8.3 Petri Dishes, polystyrene, 90 x 15 mm, 2 pack (BE-PETRIT) 1.3, 8.3 Pipet (medicine dropper) (CE-ROPPER) 1 1.4 3"%5" ziplock bags, 2 mil (PE-ROPPER) 3 (PE-ROPPER) 1.4 Dissecting Tray, Styrofoam (DE-TRAVS) 1.4 Pabric Sample, Cotton (sold only in kits) 3 Use in place of old cotton towel 1.4 Fertilizer, liquid, 2 oz (CH-PERTLIO) 1.4 CEC-CYPPOZE) 1.5	1.3, 1.4, 1.5, 4.2		2	
1.3, 2.2, 11.1 Drawing Paper, white, 9"x12" 4 white printer paper	1.3, 1.4, 1.5, 4.2		1	
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1.3, 7.1 Beaker, glass, 50 ml (CE-BIODSO) 1.3, 7.1, 12.2 Acetic Acid Solution 1 M, 100 mL (CHACETIC) 1.3, 8.2, 8.3 Petri Dishes, polystyrene, 90 x 15 mm, 2 pack (BE-PETRIT) 1.3, 8.3 Pipet (medicine dropper) (CE-DROPPER) 1.4 3"x5" ziplock bags, 2 mil (PK-ZIP3X5) 1.4 Dissecting Tray, Styrofoam (DE-TRAYS) 1.4 Fabric Sample, Cotton (sold only in kits) (PT-FABCOTT) 1.4 Graduated Cylinder, polypropylene, 25 ml (CE-CYPP025) 1.4, 2.2 Superior Balance Digital Pocket Scale, 600 g capacity, 0.1 g precision	1.3, 2.2, 11.1		4	white printer paper
1.3, 7.1, 12.2 Acetic Acid Solution 1 M, 100 mL (CH-ACETIC) 1.3, 8.2, 8.3 Petri Dishes, polystyrene, 90 x 15 mm, 2 pack (BE-PETRI1) 1.3, 8.3 Pipet (medicine dropper) (CE-DROPPER) 1.4 Dissecting Tray, Styrofoam (DE-TRAYS) 1.4 Fabric Sample, Cotton (sold only in kits) (PT-FABCOTT) 1.4 Graduated Cylinder, polypropylene, 25 ml (CE-CYPP025) 1.4, 2.2 Superior Balance Digital Pocket Scale, 600 g capacity, 0.1 g precision	1.3, 2.2, 7.1, 7.2, 10.1	Ruler, 30 cm	1	
(CH-ACETIC) 1.3, 8.2, 8.3 Petri Dishes, polystyrene, 90 x 15 mm, 2 pack (BE-PETRI1) 1.3, 8.3 Pipet (medicine dropper) 1 (CE-DROPPER) 1.4 3"x5" ziplock bags, 2 mil (PK-ZIP3X5) 1.4 Dissecting Tray, Styrofoam 1 Use for foam plate. (DE-TRAYS) 1.4 Fabric Sample, Cotton (sold only in kits) 3 Use in place of old cotton towel (PT-FABCOTT) 1.4 Fertilizer, liquid, 2 oz (CH-FERTLIQ) 1.4 Graduated Cylinder, polypropylene, 25 ml (CE-CYPP025) 1.4, 2.2 Superior Balance Digital Pocket Scale, 600 g capacity, 0.1 g precision	1.3, 7.1		2	
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1.3, 8.3 Pipet (medicine dropper) (CE-DROPPER) 1.4 3"x5" ziplock bags, 2 mil (PK-ZIP3X5) 1.4 Dissecting Tray, Styrofoam (DE-TRAYS) 1.4 Fabric Sample, Cotton (sold only in kits) (PT-FABCOTT) 1.4 Fertilizer, liquid, 2 oz (CH-FERTLIQ) 1.4 Graduated Cylinder, polypropylene, 25 ml (CE-CYPP025) 1.4, 2.2 Superior Balance Digital Pocket Scale, 600 g capacity, 0.1 g precision	1.3, 8.2, 8.3	Petri Dishes, polystyrene, 90 x 15 mm, 2 pack	2	
1.4 3"x5" ziplock bags, 2 mil 3 1.4 Dissecting Tray, Styrofoam 1 Use for foam plate. (DE-TRAYS) 1.4 Fabric Sample, Cotton (sold only in kits) 3 Use in place of old cotton towel (PT-FABCOTT) 1.4 Fertilizer, liquid, 2 oz 1 (CH-FERTLIQ) 1.4 Graduated Cylinder, polypropylene, 25 ml (CE-CYPP025) 1.4, 2.2 Superior Balance Digital Pocket Scale, 600 g capacity, 0.1 g precision	1.3, 8.3	Pipet (medicine dropper)	1	
1.4 Dissecting Tray, Styrofoam (DE-TRAYS) 1.4 Fabric Sample, Cotton (sold only in kits) (PT-FABCOTT) 1.4 Fertilizer, liquid, 2 oz (CH-FERTLIQ) 1.4 Graduated Cylinder, polypropylene, 25 ml (CE-CYPP025) 1.4, 2.2 Superior Balance Digital Pocket Scale, 600 g capacity, 0.1 g precision 1 Use for foam plate. Use for foam plate. 1 Lyse for foam plate. 2 Lyse for foam plate. 3 Lyse in place of old cotton towel	1.4	3"x5" ziplock bags, 2 mil	3	
1.4 Fabric Sample, Cotton (sold only in kits) 1.4 Fertilizer, liquid, 2 oz (CH-FERTLIQ) 1.4 Graduated Cylinder, polypropylene, 25 ml (CE-CYPP025) 1.4, 2.2 Superior Balance Digital Pocket Scale, 600 g capacity, 0.1 g precision 3 Use in place of old cotton towel 1 Use in place of old cotton towel	1.4	Dissecting Tray, Styrofoam	1	Use for foam plate.
1.4 Fertilizer, liquid, 2 oz (CH-FERTLIQ) 1.4 Graduated Cylinder, polypropylene, 25 ml (CE-CYPP025) 1.4, 2.2 Superior Balance Digital Pocket Scale, 600 g capacity, 0.1 g precision	1.4	Fabric Sample, Cotton (sold only in kits)	3	Use in place of old cotton towel
1.4 Graduated Cylinder, polypropylene, 25 ml (CE-CYPP025) 1.4, 2.2 Superior Balance Digital Pocket Scale, 600 g capacity, 0.1 g precision	1.4	Fertilizer, liquid, 2 oz	1	
1.4, 2.2 Superior Balance Digital Pocket Scale, 1 600 g capacity, 0.1 g precision	1.4	Graduated Cylinder, polypropylene, 25 ml	1	
(BS-SPB600)	1.4, 2.2	Superior Balance Digital Pocket Scale,	1	

Text Reference	Item Description	<u>Item</u> Quantity	<u>Notes</u>
1.4, 2.2, 4.1, 5.3	Styrofoam Cup, 12 oz, each	8	Reuse cups as possible.
1.4, 4.1	Seeds, baby lima bean, pack (LM-SEEDBEA)	2	
1.4, 4.2, 6.2, 7.2, 8.4	Food Coloring, 4 colors (CH-FOODCOL)	2	2 colors included in kit
1.4, 4.2, 6.2, 9.3	Plastic kit box and cover (sold only in kits) (PT-KITBOX)	1	Use in place of can for 9.3
1.4, 7.1, 8.2, 12.3	Gloves, Nitrile, Size Medium, Pair	4	
1.5	Can, tin, small (PT-CANSMAL)	3	Place on top of wire screen and beaker instead of using a ring stand.
1.5	Coffee Filter (PT-COFFILT)	3	
1.5	Ring Support, 4" (CE-RING4)	3	Use the wire screen on top of the beaker.
1.5	Screen, 20 mesh, steel, 4x4" (GS-SCREEN)	3	Use in between beaker and small tin can instead of ring stand and support
1.5	Support Stand, 4" x 6" base, 18" rod (CE-STAND2)	3	Use the wire screen on top of the beaker.
1.5, 10.1	Digital Stop Watch, 2" (ME-STOPWAT)	0	Use any digital timer such as a cell phone timer.
1.5, 9.3	Graduated Cylinder, polypropylene, 100 ml (CE-CYPP100)	1	
1.5, 9.3	Rubber bands, 1.4 oz. bag	1	
2.2	Gelatin, unflavored, packet (PT-GELATIN)	1	
2.2	Marshmallows, Mini, 10 oz	1	
2.2	Toothpicks, pack	1	
2.2, 3.1, 4.2, 7.2, 10.1, 12.3	String, heavy cord, 25' (MC-STRING)	1	String can be used in place of yarn. Use string to measure in 7.2
2.2, 4.1	Granite, Gray-White Specimen (RM-GRANITE)	2	Pink with black speckles; Use as weight in 2.2
2.2, 4.1	Red Sandstone Specimen (RM-SANDSTO)	2	Red; Use as weight in 2.2
2.2, 4.1, 12.2	Limestone, fossiliferous (RM-LIMESTO)	2	Light gray and porous; Use as weight in 2.2
2.2, 4.1, 7.1, 9.3	Marker, black, permanent (BE-MARKBLK)	1	Use any marker or drawing utensil
3.1	Spring scale, 100 g/1 N (BS-SCALE4)	1	
3.1, 4.1	Copper piece (EL-CUDISC)	1	Small copper piece marked "Cu" and can be used in place of a penny
3.1, 4.1	Mineral Study Kit, 15 specimens (RM-MISTUDY)	1	
3.1, 4.1	Nail, 6D, bright finish	1	
3.1, 4.1	Plate, ceramic, 1x2" (RM-STREAKC)	1	
3.1, 4.1	Plate, glass, 2x2" (RM-STREAKG)	1	Wrapped piece of clear glass.
4.1	Water Balloons, 3" (GS-BALLOWT)	1	Single small balloon.
4.1, 4.2, 6.2, 7.1	Cup, clear plastic, 9 oz (PT-CUP9OZ)	6	Use plastic cups in place of 250mL beakers for Investigation 4.1 and cut a cup for Investigation 4.2 and 6.2. Use in place of 50mL beaker in Investigation 7.2
4.1, 5.3	Plaster of paris, 4 oz.	2	
4.2	Epsom salt, food grade, 1 lb or 450 g (CH-FGEPSOM)	1	

AB-KIT08

Text Reference	Item Description	<u>Item</u> Quantity	<u>Notes</u>
4.2, 10.1	Washers, 1" diameter, each	2	
5.3	General Purpose Paint Brush (GS-PTBRSH)	1	
5.3	Seashell, individual (PT-SEASHEL)	1	
5.3, 6.2	Vegetable Oil, 2 oz. (sold only in kits) (CH-OIL2OZ)	1	
6.2, 12.3	Clear 17oz bottle with cap (CE-BTCL502)	1	Use clear plastic bottle in place of a gallon jug to create smaller experiment version
7.1	Crucible & Beaker Tongs	1	
7.1	Steel Wool (GS-STLWOOL)	2	
7.1	Test Tubes, large 16 x 150 mm (CE-TTUBELG)	2	
7.1, 9.3	Straws, clear plastic (PT-STRAWCL)	4	
7.2	Alcohol Lamp Stand (CE-STAND1)	1	
7.2	Candle, 4" white	1	
7.2	Clay, modeling, 4 oz. stick (GS-CLAY)	1	Use the clay as candle holder.
7.2	LED Flashlight, 25 Lumens (OP-LIGHT4)	1	
7.2	Matches, pack of 32 (GS-MATCHES)	1	
7.2	Paper, blotter, 2 sheets 9x12" (GS-PAPERBL)	1	Thick white paper in a 9x12 sheet (thicker than cardstock)
7.2	Paper, construction, 12 sheets (GS-PAPERCS)	2	Pack includes black, yellow, white, red, blue, green
7.2, 12.2	Chalk (calcium carbonate)	1	
7.2, 8.2	Aluminum Pie Plate, 5" diameter	5	Use one pie plate for Check It Out 8.2
7.2, 9.3	Plastic Student Thermometer (ME-THERMPL)	2	
8.2	8oz Distilled Water in bottle	1	
8.2, 9.3	Glass Jar, 16 oz size (GS-JAR160Z)	1	Use the 400mL beaker for 8.2 and 9.3
9.3	Cotton Balls, 12 count	1	
9.3	Dowel, 1/4", 12" long (PT-DOWL250)	1	
9.3	School Glue, 4oz	1	
9.3	Weather Center (AS-WEACENT)	0	Optional to purchase separately for a barometer and hygrometer.
9.3, 12.3	Balloons, medium, 9" (GS-BALLOMD)	2	
10.1, 11.1	Meterstick, 100 cm	1	
10.2	Celestron Binoculars, 10 x 50	0	Optional to purchase separately to complete the activity.
11.1	Lens, double convex, 150mm f/l	1	
11.1	Lens, double convex, 50mm f/l	1	
11.1	Optic Bench Lens Holder, metal (OP-LENHLDS)	2	
11.1	Optic Bench Object Screen (OP-SCREEN)	1	
11.1	Optic Bench Screen Holder (OP-SCRNHLD)	1	

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Text Reference	Item Description	<u>ltem</u> Quantity	<u>Notes</u>
11.1	Optic Bench Supports, pair (OP-SUPPORT)	1	
11.1	Spectroscope (OP-SPECTRO)	1	
12.3	Lab Apron No 3, plastic, 2 mil (CE-APRON3)	gar	commend to purchase separately if you plan to use rden manure instead of kitchen waste for Science estigation 12.3

- 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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