



**KIT CONTENTS LIST FOR USE WITH: Apologia Educational Ministries  
Advanced Chemistry in Creation  
2nd 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>
	Apologia Advanced Chemistry - Tests & Key (AM-KEYACHE)	0	Purchase separately from the kit. (Tests & Key Only)
	Apologia Advanced Chemistry Textbook (AM-TEXACHE)	0	Purchase separately from the kit. (Text Only)
Curriculum Set	Apologia Advanced Chemistry - Text, Tests, & Key (AM-ADVACHEM)	0	Purchase separately from the kit. (Curriculum Set)
Several labs	Chemical Splash Safety Goggles, Adult (CE-GOGGLE1)	0	Optional to purchase separately, if you do not own a pair. See our website for more options.
Several labs	Measuring Scoop, 0.15 ml (CE-MEASPO1)	1	
Several labs	Pipet, disposable, 1 ml, 10 pack (CE-PIPET)	1	Rinse 3 times between use.
Several labs	Test Tubes, plastic, 16 x 120 mm, 6 pack (CE-TTUBCAP)	1	
1	Phenolphthalein Solution, 30 ml (UN-PHENOLS)	1	
1,2,7,8	Test Tube Rack, 6 holes (CE-TTRACK1)	1	
1,4,5,12,13	Styrofoam Cups, 8 oz, with lids 5 pack (CE-CUPSTYR)	1	
2	Ferric Ammonium Sulfate (Iron III), 30 g (CH-FENHSO4)	1	
2,3,4	Cobalt II Chloride, 15 g (CH-COCL2)	1	
2,4	Potassium Ferrocyanide, 30 g (CH-K4FECN)	1	Substitute potassium ferrocyanide for sodium ferrocyanide in these labs. The procedure and results are the same.
4	Ammonium Chloride, 30 g (CH-NH4CL)	1	
4	Magnifying Glass, 2", 3X Lens (OP-MAGNIFY)	1	
4	Naphthalene, flake, 15 g (UN1334)	1	
4,11	Sodium Thiosulfate, 30 g (CH-NA2S2O3)	1	
4,5,6	Filter Paper, 11 cm, 10 pack (CE-FILTPAP)	1	Also use for chromatography paper.
4,5,6,12	Funnel, plastic, 65 mm dia. (CE-FUNNEL)	1	
4,5,9,13	Microplate or Culture Plate, 24 wells (CE-MICPLAT)	1	
4,6,9,10,13	Copper II Sulfate (cupric), 30 g (CH-CUSO4)	1	
5	Thermometer, Celsius, 12" (ME-THER30B)	0	Order if you do not already have a thermometer.
5,6	Sodium Sulfate, 30 g (CH-NA2SO4)	1	
6,10	Calcium Chloride, 30 g (CH-CACL2)	1	

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6,11	Potassium Iodide, 30 g (CH-KI)	1	Fill the bottle of solid potassium iodide 4/5 full of water and shake for 1 minute to make potassium iodide solution.
7,8	Universal Indicator, 30 ml (UN-UNIVERS)	1	Includes a reference sheet for pH indication.
9	Battery Connector, 9-volt (EL-BAT9CAP)	1	
9	Battery, 9-volt, alkaline (EL-BALK-9V)	1	
9	Digital Multimeter (EL-DIGMULT)	0	Optional.
9	Wire, copper, 14 gauge, 6" (PT-WIRECOP)	1	
9,10	Wire, zinc, 1/16" diameter, 6" long (PT-WIREZIN)	1	Please note that because many factors can affect the results of these experiments, it may take longer than the suggested amount of time before you will see visible results.
10	Sandpaper, 1 sheet medium grit (PT-SANDPAP)	1	
11	Foam Packing, starch, 10 pack (PT-FOAMPEA)	1	
12	Polyvinyl Alcohol, 30 g (CH-POLYALC)	1	
12	Sodium Tetraborate, 30 g (CH-NA2B4O7)	1	
13	Limewater, 30 ml (CH-CAOHSOL)	1	
13	Sodium Carbonate, 30 g (CH-NA2CO3)	1	
13	Yeast, packet (LM-YEAST)	1	

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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