

OpenSciEd Chemistry Unit 2

KIT # 470356-734

Structure & Properties of Matter



Included Items

Lesson

1	Sticky note or dot sticker (yellow)	35	
1	Sticky note or dot sticker (green)	35	
1	Masking tape	1	
2, 3, 13	Hot glue stick	16	
2, 3	15-16 quart plastic tub with lid	4	
2, 3	1" binder clips	24	
2, 3	Plastic clothespins	60	
2, 3	Aquarium air valve	8	
2, 3	Aquarium tubing 3/16" dia., 1" long	1	ft
2, 3	Plastic pipettes	8	
2, 3	Plastic folder (to make plastic strips)	2	
2, 3	4" HVAC aluminum coupler	8	
2, 3	7" aluminum (or zinc) coated bucket	8	
2, 3	8 oz deli container (no lid needed)	16	
2, 3	11/64" drill bit	1	
2, 3, 13	Hand drill	1	
2, 3, 13	Hot glue gun	1	
2, 3, 13	Electroscope	4	Replaces glass jar, deli container lid, sticky tack, utility knife, 2" paperclips and 6X6 aluminum foil to construct ammeter.
2, 3, 4, 13	Bendy straw	50	
2, 3, 13	22" wires with alligator clips	40	
3, 4	Balloons	10	
3, 4	Tinsel	28	
3, 4	Floss	1	
3, 4	NE-2H/C2A neon lamp, 65-120VAC, 1.90 mA	8	
4	1" polystyrene foam ball	12	
4	Plastic comb	8	
4, 7	5" x 7" PTFE sheet	18	
4, 7	5" x 7" acrylic sheet	8	
4, 7	2.5" x 7" acrylic sheet	12	

5, 13	Permanent marker	8	
5, 8,11,13	3x5 notecard	100	
5, 10	Cloudy cellophane tape	1	
7	8-oz coffee cup (insulated cardboard)	8	
7	4" x 6" piece of 1" foam insulation board	8	
7	Plastic game chips with ridges	400	
7	6" x 4" x 3" boxes	16	
13	9V battery	8	
13	Light bulb (E10, 12V, 0.3A)	8	
13	E10 screw-mount bulb socket	8	
13	Multimeter	8	Replaces deli container, rocker switch, 9V battery, 9v battery connector and utility knife used to construct ammeter.
13	9V battery connector	8	

Sold Separately		Suggested Quantities	Available at wardsci.com Part #
Lesson			
7, 13	Digital scale (0.01 g)	8	470354-570
7, 9, 13	Scientific calculator	35	470349-970

Locally Sourced Items		Suggested Quantities	Available at wardsci.com Part #
Lesson			
2, 3	Penny (shinny, not corroded or dirty)		N/A
2, 3	Classroom chair, 24"-48" high		N/A
2, 3, 4, 5, 7	Dehumidifier (optional)		N/A
2, 3, 4, 13	Aluminum foil	1 roll	470174-014
3, 4	Clear sandwich bag	7	470226-588
4	Fabric scraps of various types such as silk, wool, rayon, felt, or acrylic	1	470314-990
5	Clipboard (optional)	1	470101-846
8	Prepared paper scraps	20 sheets	470149-674
13	Sodium chloride	737 g	470324-147
13	Distilled water	1 gallon	470200-788

Std. Lab/Class Equipment Lesson		Suggested Quantities	Available at wardsci.com Part #
1,2,3,4,5,6,7,9,10,11,12,13,14	Chart paper	1 pad	470149-864
1,2,3,4,5,6,7,9,10,11,12,13,14	Chart paper markers	5 packs	470338-508
1, 3	3x3 sticky notes	3	470233-452
1, 9	Colored markers	8 packs	470347-380
2, 3, 13	Scissors	1	470016-334
2, 3	2" paper clip	100	470143-696
5, 8, 11, 13	Small paper clips	100	470143-696
7, 13	Ruler		470177-220
13	250 mL beaker		470206-318
13	Stirring rod		470174-804