

OpenSciEd Biology Unit 2

KIT # 470357-090

Ecosystem Matter & Energy



Included Items

Lesson

2	Infrared thermometer	1
2	Magnifying glass	8
2	One quart glass bowl	3
2	Peat chips	12
2	Petri dishes 60x15	1 pkg/20
2, 5	Aluminum foil sheets	1 pkg
2, 5	Bromothymol blue 0.04% aqueous	30 mL
3	0.5 teaspoon measuring spoon	16
3	Sugar	20 oz
3	Yeast	200 g
3, 4	Matter and Energy cards	8 sets
5	Iodine test image cards*	8
5	50 watt full spectrum bulb	3
5	50 mL plastic test tube with lid	25
5	Coupon for Egeria najas	1
5, 8	Heat lamp	3
8	Alka-Seltzer tablet	32 tablets
8	Light bulbs - infrared 125-watt	3
8	Modeling clay	3 pkg
8	16 oz bottle	16

* Iodine activity is substituted with Iodine test image cards

Std. Class/Lab Equipment		Suggested Quantities	Available at wardsci.com Part #
Lesson #			
1,6,7,9,10,11	chart paper markers	1 set	470338-508
1, 6, 7, 9	colored markers	5 sets	470347-380
1,3,6,7,9,10,11	chart paper	1	470149-864
1, 6, 7, 9, 11	3x3 sticky notes (any color)	3	470173-822
2	gram scale	1	470003-238
2	fireproof tongs	1	470148-786
2, 3	timer	8	470356-002
2, 3, 5, 8	indirectly vented chem. splash goggles	35	470016-082
2, 3, 5, 8	nitrile gloves	2	76518-338
2, 3, 5, 8	non-latex apron	35	470156-174
2, 5	250 ml flask	1	470191-164
2, 5	1000 ml beaker	1	470191-202
2, 5	Bunsen burner	1	470148-792
2, 5	eye dropper or pipette	1	470152-946
2, 5, 6,10,11	dry erase markers	1	470104-998
3	250 ml beakers	24	470191-150
3, 4, 6, 7	3x3 sticky notes (yellow)	2	470173-822
3, 8	metric ruler	8	470177-220
3, 8	digital thermometer	24	470349-810
5	heat proof tweezers	1	470007-554
5	scissors	1	470101-894
6, 7	3x3 sticky notes (green)	2	470233-452
8	100 ml beaker	8	470191-188

Locally Sourced		Suggested Quantities	Available at wardsci.com Part #
Lesson #			
2	drinking straw	1	470012-948
2	long-stem lighter (preferred) or matches	1	N/A
2	samples of dried plants		n/a
2	Windex	1 oz	470094-898
2, 5	distilled water	2000 ml	470200-788
5	Ethanol 95% (for optional activity)		470331-586
5	Iodine (for optional activity)		470220-742
5	paper plates	3	470190-966
8	rubber band	16	470002-838
8	plastic wrap	1 roll	470150-434