

OpenSciEd Unit 7.3

Metabolic Reactions and Energy

KIT # 470350-024



Included Items

Amylase powder	25	g
Beaker, 500 mL (600 mL)	1	
Beaker, 1000 mL	1	
Benedict's solution	500	ml
Bowl, 4.75 qt. pyrex with lid	1	
Bromothymol blue solution, 0.04% aqueous	100	ml
Candle wick with metal anchor (part of tealight)	25	
Coffee cup, 8 oz paper "hot cup"	8	
Corn starch	16	oz
Cup, 3 oz, clear plastic	100	
Cup, 8 oz, clear plastic (9 oz)	16	
Cup, 20 oz, plastic, clear	11	
Dental floss, 6" length	1	roll
Dialysis tubing, 1" width, 6" section length	1	roll
Duck fat	11	oz
Electric kettle	1	
Foil tin, disposable, small	16	
Food Molecule card set, laminated	16	sets
Food storage container, airtight, 2.1 qt (with lid)	1	
Glucose powder	100	g
Index cards, 3x5"	200	
Iodine solution	500	ml
Lid for coffee cup	8	
Marker, fine tip permanent	8	
Microcentrifuge tube with lid, 1.5 mL	90	
Pipette, 3 mL, plastic disposable (.5 mL)	150	
Sticky dot, color #1 red	210	
Sticky dot, color #2 blue	175	
Straw, flexible	50	
Tape, cellophane	16	roll
Tea candle holder, aluminum, empty	25	

Sold Separately	Suggested Quantities	Available at wardsci.com Part #
CO2 and humidity detector, desktop	1	470337-624
Digital scale	2	470350-092
Safety goggles	32	470016-082

Locally Sourced Items	Suggested Quantities	Available at wardsci.com Part #
Butane stove lighter, long, with butane fuel	8	
Chart paper	1 roll	470149-698
Crackers, unsalted	50	
Highlighter	32	470156-510
Knife, plastic	1 pkg	470092-580
Marker, dark	32	470338-506
Paper, loose-leaf	1 pk of 24 lb	470218-640
Pencil, colored	16 sets	470105-210
Rice, white, cooked (uncooked)	1 lb	470174-094
Ruler	32	470177-220
Scissors	8	470101-894
Spoon, plastic	1 pkg of 24	470145-566
Sticky notes, 2x2"	1 pkg of 8 pads	470313-758
Taco shells	1 cup crushed	
Vegetable oil	4.5 cups	470336-506
Water, distilled	1 gallon	
Water, natural sparkling, natural mineral	10 ml	