

## OpenSciEd Unit 7.4

### Matter Cycling and Photosynthesis

KIT # 470352-750



#### Included Items

|                                                                        |      |      |
|------------------------------------------------------------------------|------|------|
| Aluminum foil, 1' x 3' piece                                           | 1    | roll |
| Bag, paper                                                             | 3    |      |
| Benedict's qualitative solution                                        | 500  | mL   |
| Bromothymol blue solution, 0.04% aqueous                               | 100  | mL   |
| Clamp lamp                                                             | 2    |      |
| Coffee cup, 12 oz, with lid                                            | 3    |      |
| Cup, 2 oz, clear                                                       | 33   |      |
| Cup, 3 oz, plastic (3.5 oz)                                            | 64   |      |
| Electric kettle                                                        | 1    |      |
| Food Molecule card set, laminated (English or Spanish, as appropriate) | 16   | sets |
| Forceps, plastic                                                       | 8    |      |
| Glove, disposable                                                      | 100  |      |
| Goggles, LED UV                                                        | 1    |      |
| Grow light bulb, LED, 100w (60W)                                       | 2    |      |
| Hydroponic growing kit                                                 | 1    |      |
| Hydroponic plant food                                                  | 6    | tbsp |
| Index card, 3x5" ("notecard") (5x8")                                   | 200  |      |
| Iodine solution, 0.05M                                                 | 500  | mL   |
| Lima bean seed, large                                                  | 1    | lb   |
| Magnifying lens                                                        | 36   |      |
| Maple syrup, 100%                                                      | 12   | oz   |
| Maple water, 100%, from tree                                           | 16.9 | oz   |
| Microcentrifuge tube with lid, 1.5 mL                                  | 30   |      |
| Radish seed                                                            | 15   | g    |
| Sealable plastic bag, sandwich-size                                    | 24   |      |
| Sealable plastic freezer bag, 1-gallon                                 | 12   |      |
| Sealable plastic freezer bag, 2-gallon                                 | 2    |      |
| Spinach seed                                                           | 10   |      |
| Spoon, plastic                                                         | 48   |      |
| Sticky dot                                                             | 1    | pkg  |
| Sticky note, 3x3"                                                      | 4    | pads |

|                                 |         |
|---------------------------------|---------|
| Stirring rod, wooden            | 16      |
| Straw                           | 9       |
| Tape, transparent               | 16 roll |
| Transfer pipette, 3 mL, plastic | 40      |

| <b>Sold Separately</b>             | <b>Suggested Quantities</b> | <b>Available at wardsci.com Part #</b> |
|------------------------------------|-----------------------------|----------------------------------------|
| CO2 and humidity detector, desktop | 1                           | 470337-624                             |
| Safety goggles                     | 32                          | 470005-688                             |

| <b>Locally Sourced Items</b>                   | <b>Suggested Quantities</b> | <b>Available at wardsci.com Part #</b> |
|------------------------------------------------|-----------------------------|----------------------------------------|
| Banana                                         | 1                           |                                        |
| Can opener                                     | 1                           | 470094-200                             |
| Chart paper                                    | 2 pads                      | 470149-698                             |
| Food labels for items on breakfast food poster | 32                          |                                        |
| Garbanzo bean/chickpea                         | 10                          |                                        |
| Lettuce, hydroponically grown                  | 2                           |                                        |
| Marker, dark color                             | 4 pks of 8                  | 470338-506                             |
| Marker, dry erase                              | 16                          | 470046-806                             |
| Marker, permanent, fine-tip, black             | 8                           | 470153-994                             |
| Paper towel                                    | 10 sheets                   | 470174-714                             |
| Potato                                         | 1                           |                                        |
| Radish with top                                | 3                           |                                        |
| Spinach leaves, loose                          | 42                          |                                        |
| Timer                                          | 1                           | 470014-582                             |
| Vegetable oil                                  | 100 mL                      | 470336-506                             |
| Water, filtered or distilled                   | 4 gal                       |                                        |
| White bean                                     | 10                          |                                        |