

Materials

Classroom Supplies

To help you make advance preparations, this table lists the classroom items used for this unit. See the lessons for information about how each item is used.

Quantity	Item	Lesson(s)
1 per student	Binder or folder (optional)	1, 2, 4, 5, 8
8–10 sheets	Chart paper (optional)	1, 11, 13, 14, SBA2
At least 4 per group	Natural waste samples	1, 6
Several sections	Newspaper	1, 4, 5, 7, 12
1 pad	Self-sticking notes	1, 7, SBA3
1	Overhead projector	1, 2, 3, 4, 7, 8, 9, 10, 11, 13, 15, SBA3, SBA4
8–10	Overhead transparency sheets, blank	1, 8, 15
1 samples	Decomposing plant matter	2
2 per group	Glue sticks	2, 15
2–4 pairs per group	Scissors	2, 4, 5, 8, 15
2	Grocery bags, large, paper	4
500 ml (2 C)	Coffee grounds, used	4, 7
2	Eggshells, crushed	4
1 per group	Flashlights	4
500 ml (2 C)	Food scraps	4
1–4 per group	Rulers, metric	4, 5, 6, 10, 11, 12, 13, SBA4
250 ml (1 C)	Soil	4
Several rolls	Tape, clear adhesive	4, 7, 8, 10, 15
1–15	Trowels or spoons (optional)	4, 5, 6, 7, 10
Several liters	Water, non-chlorinated	4, 5, 6, 7, 8
2 per group	Containers	5, 6
8 pieces per group	Cucumbers	5
At least one roll	Masking tape	5, 6, 10, SBA3
1 sheet per child	Paper, white (optional)	5, 12, 13, SBA2
1 per child	Paper plates, small	5, 6, 7, 9
1 roll	Paper towels	5, 10, 13
1 per group	Plastic table knives or scissors	5, 8, 9
1 roll	Plastic wrap	5, 7
2 per group	Rubber bands	5
1 per student	Index cards, blank white (optional)	6, 7
Several samples	Inorganic planting material	6

Batteries included

8-oz plastic containers included

HIGHLIGHTED ITEMS ARE INCLUDED IN THIS PACKAGE

Quantity	Item	Lesson(s)
Several samples	Organic planting material	6
1 per student	Pencils	6, 10, SBA2
1 or more	Permanent markers	6, 8
Several sets	Colored pencils or pens	7, 11, 15, SBA2, SBA3
40	Plastic bowls, small	7, 9
1 per group	Toothpicks	7
At least 30 slices	Sliced bread without preservatives	8
	Ice packs (optional)	8
3–20	Molding food items, sealed inside clear plastic	8
20–25 sheets	Construction paper, black, 8.5" × 11"	9, 10
1 can or roll	Hair spray or clear self-adhesive plastic (optional)	9
At least 1 per group	Store-bought mushrooms (optional)	9
1 per funnel	Jars, plastic (optional)	10
1 per funnel	Light sources (optional)	10
1 per funnel	Mesh, 5 cm (1/4 in) squares (optional)	10
1 per group	Plastic bottles, 2-liter size (optional)	10
1 per group	Tray or box (optional)	10, SBA2
3	Overhead pens, various colors	11
150	Connectible blocks such as Unifix® cubes or Legos®	14
1 per student	Ribbon or tags in four colors	14
1 per group	Apples (same kind, similar in appearance)	SBA2
As many as possible	Balls, various types and sizes	SBA3
1 per group	Meter sticks	SBA3

8-oz plastic containers included

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