

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	Lessons
1	Audio recording of water sounds (optional)	1
1 pad	Chart paper	Multiple lessons
1 or 2 per group	Ice cubes Ice cube trays included.	1
1	Marker, permanent	Multiple lessons
Several sheets	Newspaper	1, 3, 13
1	Overhead projector	1, 4, 8, 11
Several	Photographs of water scenes (optional)	1
1	Portable ice chest	1
1	Thermos (optional)	1
1	Vaporizer (optional)	1, 7
1	Video of water scenes (optional)	1
Various quantities	Water	Multiple lessons
1 section per group	Grass	3
1 piece per group	Human-made materials, non porous	3
1 piece per group	Human-made materials, porous	3
1 piece per group	Human-made materials, semi porous	3
125 ml (½ C) per group	Potting soil	3
1–2 per group	Rocks	3
125 ml (½ C) per group	Sand	3
10 of either size	Containers, 1-liter or 1-gallon	4
1 per group	Maps, state and local	4
1	Measuring spoon, ¾ tsp size	4
1	Pitcher	4, 5, 6
1	Syringe (optional)	4
250 ml (1 C) per group	Pea gravel, ¼ inch diameter	5
250 ml (1 C) per group	Sand, dry	5
1 per group	Cups	7
1	Chalkboard, desktop, or sheet of black poster board	7
1 bottle	Food coloring, red, green, or blue	7
1	Ice chest	7
Several per group	Ice cubes Ice cube trays included.	7, 8
2 per group	Metals cans, 500 ml (1 cup), half-filled with room-temperature water	7
Several sheets	Paper towels, moist	7

Carpet and cotton cloth included.

Concrete and wood included.

Glass slides, plastic slides, and box of aluminum foil included. Foil needs to be cut into squares.

HIGHLIGHTED ITEMS ARE INCLUDED IN THIS PACKAGE

Quantity	Item	Lessons
1	Spoon, metal	7
1	Camera (optional)	9
Several	Empty containers, various capacities (optional)	10
1 per pair	Calculators (optional)	11
1 per volunteer	Notepad and pencil	12
At least one per student	Self-sticking notes (optional)	12
2	Bowls, 4+ cups capacity	13
1	Colander	13
15–20 pieces	Cotton fabric, 30 cm × 30 cm	13
1 bottle	Food coloring, blue	13
1 bottle	Food coloring, red	13
1	Lint screen from clothes dryer	13
750 ml (3 C)	Paper pieces, small	13
40 or so sheets	Paper towels	13, SBA 4
3	Pitchers, jars, or bottles	13
2 per pair	Plastic bottles, 2-liter	13
1 pair per student	Plastic gloves	13
2 per pair	Plastic spoons	13
750 ml (3 C)	Potting soil	13
Several pieces	Rocks or sticks, small	13
1 pair per student	Safety goggles	13
750 ml (3 C)	Vegetable oil	13
750 ml (3 C)	White Vinegar	13
1 per student	Folders (optional)	15
2	Dolls	SBA 2
Class set	Drawing materials	SBA 2
Variety	Fabric	SBA 2
Several bottles	Glue	SBA 2
1 piece per student	Modeling clay	SBA 2
1 pack	Pipe cleaners	SBA 2
1 pack	Straws	SBA 2
2	Stuffed animals	SBA 2
2	Toy cars	SBA 2
1 pack	Twist ties	SBA 2
Several spools	Yarn, various colors	SBA 2
1 quarter sheet per student	Construction paper, colored	SBA 3
At least one per group	Containers, various sizes and shapes	SBA 3
1 per group	Cups, plastic or paper, any size	SBA 3
1 bottle	Food coloring	SBA 4
3 per group	Glass cups, glass jars, or metal cans, 100–250 ml (3.5–8 oz)	SBA 4
1	Portable ice chest with ice packs	SBA 4