

Unit 7.2B Materials List

Consumable and Non-consumable kits are available for order through Kendall Hunt.
To order or for more information, contact Sarah Zenner, sczenner@kendallhunt.com.

Consider this a “Teacher’s Shopping List”. This list contains the physical materials that must be acquired to complete the unit’s lesson activities.

The materials are separated by consumables and non-consumables. Quantities per class listed are the maximum quantities you will need for one class assuming a class of 32 students. Some lesson plans call for items which are very likely to be available “at hand” either from the classroom, the school, or from home. Usually, these items don’t have to exactly match the list, but can be any of a group of items which suit the need. Such items are not listed here, but are identified in the lesson plans.

A note on printed materials: Handouts, student guides, other paper materials and electronic resources are not listed here. Please refer to individual lesson plans for the most up-to-date links for these items to determine an actual page count of printed materials needed for a particular lesson.

Consumable Materials		
Description	Total Quantity Needed per class	Lesson
Markers	8	1 [Optional] 4 [Optional] 6
Poster paper or whiteboards	8	1 [Optional] 4 [Optional] 6
Fresh pieces of sidewalk chalk	24	2
Vinegar	8-16 cups	2
Paper towels (for clean up)	1 roll	2
Straw	32	2
Crayons, two contrasting colors	48, each color	3

Aluminum foil square (12" x 12")	8	3
"Fun-sized" candy bars <i>Any type with chocolate covering and distinctive layers inside, e.g., Snickers™, Milky Way™, Three Musketeers™</i> Note: Consider possible food allergies.	32	4
[Optional] Glue	8	6

Non-consumable Materials		
Description	Total Quantity Needed per class	Lesson
Mixed sand sample <i>Try to use sands with different shapes, sizes, and colors. (If physical samples of sand are not available, you could use images of different types of sand beaches; some are provided in the Lesson 2 Slides.)</i>	4 cups	2
Paper plate, 9" diameter	32 16	2, 4 3
Toothpick	32	2
Magnifying glass or hand lens	32	2, 3
Pieces of a hard rock (gravel size); for example, granite or marble	40-80	2
32 oz. plastic container with lid	8-16	2
Shallow plastic container <i>Can substitute; needs raised edge to capture sediments such as a cafeteria lunch tray or aluminum casserole pan</i>	8	2
[Optional] Fan, with different speed settings	8	2
Metric balance	1-4	2
Book support, or other sturdy object	8	2
Sediment mix	8 cups	2

<i>Roughly equal parts of gravel, sand, silt.</i>		
Safety glasses	32	2, 3
Set of igneous, sedimentary, metamorphic rocks	1	3
Vegetable peeler (preferred) or cheese grater	8	3
Hard, flat surface (4-6" diameter), e.g., frying pan, bottom of a glass jar, wood block	8	3
Oven mitts (may substitute tongs)	8 pairs	3
Hot plate (may substitute other heat sources, such as a Bunsen burner or candle)	8	3
500 mL beaker	8	3
Scraping tool (e.g., toothpick, plastic knife, or spoon)	32	4
[Optional] Colored pencils, 3 different colors	32, each color	4
Jenga™ or similar tower-building game	1	5
Die, standard 6-sided	8	5
[Optional] Game pieces (e.g., beans, pebbles)	240-320	5
[Optional] Scissors	8	6