

Patterns of Earth and Sky | Grade 5



Materials in this unit are packaged in 1 box.

Hands-on materials

Quantity	Description
24	paper, white, sheets (11" x 17")
1	ball, 15 cm diameter
18	dots, sticky, yellow
9	balls, table tennis
18	dots, sticky, green
9	globes, inflatable
18	dots, sticky, blue
18	dots, sticky, red
1	map, world



Classroom materials

Quantity	Description
9 sets	Word Relationship cards: set 1 (7 cards/set)
9 sets	Word Relationship cards: set 2 (7 cards/set)
18 sets	Explanation cards set (2 cards/set)
1 set	section headers: Key Concepts, Vocabulary (2 cards/set)
1 set	Chapter Questions (4 cards/set)
1 set	Vocabulary cards (16 cards/set)
1 set	Key Concepts (10 cards/set)
1	Unit Question card

Student materials

Quantity	Description
1	Analyzing Stars on Ancient Artifacts Investigation Notebook (88 pages/book)
18	<i>Handbook of Stars and Constellations</i> (52 pages/book)
18	<i>How Big Is Big? How Far Is Far?</i> (28 pages/book)
18	<i>Dog Days of Summer</i> (20 pages/book)
18	<i>Which Way Is Up?</i> (28 pages/book)
18	<i>Star Scientist</i> (20 pages/book)

Modeling matter | Grade 5



Materials in this unit are packaged in 2 boxes.

Hands-on materials

Quantity	Description	Quantity	Description
1	acetone (nail polish remover), bottle	48	pepper, black, scoops
29	vials, small plastic jars with lid	8	oil, vegetable, cups
1	lid, plastic for 32 oz container	15	vinegar, white, cups
22	labels, preprinted: citric acid	96	cups, plastic, 3 oz
9	measuring spoons, half-teaspoon	98	wooden craft sticks
6	labels, preprinted: cornstarch	50	citric acid, scoops
40	paper, chromatography, strips	8	cups, plastic, 2 oz
6	labels, preprinted: lecithin	216	cups, paper, 3 oz
162	cups, plastic, clear, 9 oz.	2	pasta, penne, cups
2	pasta, elbow macaroni, cups	1	food coloring set
22	labels, preprinted: pepper	1	foam peanuts, cup
1	container, plastic, 32 oz.	2	pasta, orzo, cups
22	labels, preprinted: cumin	2	cornstarch, cups
6	labels, preprinted: flour	30	spoons, plastic
22	labels, preprinted: sugar	21	droppers, glass
60	lecithin, powder, scoops	12	balls, foam
1	marker, permanent, black	1	felt, piece
20	hook-and-loop fasteners	1	funnel
48	cumin, powder, scoops		



Classroom materials

Quantity	Description
9 sets	Word Relationships cards: set 1 (8 cards/set)
9 sets	Word Relationships cards: set 2 (8 cards/set)
1 set	section headers: Key Concepts, Vocabulary (2 cards/set)
1 set	Chapter Questions (3 cards/set)
1 set	Vocabulary cards (14 cards/set)
1 set	Key Concepts (11 cards/set)
1	Unit Question card

Student materials

Quantity	Description
1	The Chemistry of Food Investigation Notebook (96 pages/book)
18	<i>Break It Down: How Scientists Separate Mixtures</i> (28 pages/book)
18	<i>Food Scientist's Handbook</i> (52 pages/book)
18	<i>Who Thinks About Scale?</i> (48 pages/book)
18	<i>Science You Can't See</i> (28 pages/book)
18	<i>Solving Dissolving</i> (24 pages/book)
18	<i>Made of matter</i> (28 pages/book)

The Earth System | Grade 5



Materials in this unit are packaged in 2 boxes.

Hands-on materials

Quantity	Description	Quantity	Description
20	lids, plastic for 16oz container	198	baking soda, bottles
1	phenol red concentrate, bottle	4	Styrofoam cups, 8 oz
18	labels: "phenol red + water"	36	plastic cups, 1/2 oz
18	graduated cylinders, 25 ml	92	cups, plastic, 9 oz
18	labels: "calcium chloride"	2	plastic wrap, rolls
218	baggies, plastic with zip	1	food coloring set
2	calcium chloride, bottles	1	inflatable globe
20	plastic containers, 16 oz	18	measuring spoons
72	tissue paper, 4"x4" squares	18	squeeze bottles
18	labels: "baking soda"	9	labels: "water"
30	lids, plastic for cup	20	wooden sticks
20	cups, plastic, 16 oz	18	droppers
2	aluminum foil, rolls		



Classroom materials

Quantity	Description
9 sets	Word Relationships cards: set 1 (4 cards/set)
9 sets	Word Relationships cards: set 2 (8 cards/set)
9 sets	Word Relationships cards: set 3 (6 cards/set)
1 set	section headers: Key Concepts, Vocabulary (2 cards/set)
1 set	Chapter Questions (5 cards/set)
1 set	Vocabulary cards (21 cards/set)
1 set	Key Concepts (14 cards/set)
1	Unit Question card

Student materials

Quantity	Description
1	Investigating Water Shortages Investigation Notebook (128 pages/book)
18	<i>How the Earth System Explains Dinosaur Extinction</i> (24 pages/book)
18	<i>Water Shortages, Water Solutions</i> (24 pages/book)
18	<i>Chemical Reactions Everywhere</i> (24 pages/book)
18	<i>Drinking Cleopatra's Tears</i> (28 pages/book)
18	<i>Engineering Clean Water</i> (20 pages/book)
18	<i>Water Encyclopedia</i> (52 pages/book)

Ecosystem Restoration | Grade 5



Materials in this unit are packaged in 4 boxes.

Hands-on materials

Quantity	Description
10	containers, plastic, large, with lids
18	cubes, plastic, interlocking, green
360	cubes, plastic, interlocking, white
360	cubes, plastic, interlocking, blue
27	cubes, plastic, interlocking, red
2	soil, nutrient rich, bags
2	soil, nutrient poor, bags
50	baggies, plastic with zip
360	tokens, plastic, yellow
16	pipe cleaners, green
16	pipe cleaners, brown
18	wooden craft sticks
125	cups, plastic, 9 oz
1	seeds, alfalfa, cup
1.5	seeds, grass, cup
18	spoons, plastic
2	bottles, spray
1	yarn, ball
6	balloons



Classroom materials

Quantity	Description
9 sets	Leaves and Roots game cards (28 cards/set)
1 set	Organism Name cards: set 1 (36 cards/set)
1 set	Organism Name cards: set 2 (36 cards/set)
9 sets	Evidence cards: Decomposers (6 cards/set)
18 sets	Leaves and Roots game board (1 card/set)
9 sets	Evidence cards: Animals (5 cards/set)
9 sets	Evidence cards: Plants (5 cards/set)
1 set	section headers: Key Concepts, Vocabulary (2 cards/set)
1 set	Chapter Questions (3 cards/set)
1 set	Vocabulary cards (19 cards/set)
1 set	Key Concepts (13 cards/set)
1	Unit Question card

Student materials

Quantity	Description
1	matter and Energy in a Rain Forest Investigation Notebook (92 pages/book)
18	<i>Restoration Case Studies</i> (56 pages/book)
18	<i>Why Do Scientists Argue?</i> (24 pages/book)
18	<i>matter Makes It All Up</i> (24 pages/book)
18	<i>Energy Makes It All Go</i> (28 pages/book)
18	<i>Walk in the Woods</i> (24 pages/book)