

The quantity of manipulative items provided in this kit may exceed the quantity required for certain activities. For full information regarding requirements for unit materials and hands-on activity planning, please see the Overview: Materials and Preparation section of the Amplify Science Teacher's Guide.

## Grade 5

### Patterns of Earth and Sky

Total Boxes/Bins: 1

30 Students

Box/Bin	Item Description	Kit Qty
1	Ball, stiff foam, 6"	1
1	Ball, table tennis, pkg/12	1
1	Globe / Earth Model, inflatable ball	8
1	Poster Paper, 11 x 17", pkg/24	1
1	Poster, world map	1
1	Stickers, blue, removable, sheet/35	1
1	Stickers, green, removable, sheet/35	1
1	Stickers, red, removable, sheet/35	1
1	Stickers, yellow, removable, sheet/35	1

Box/Bin	Print Type	Item Description	Kit Qty
1	Investigation Notebook	Analyzing Stars on Ancient Artifacts (88 Pages / Book)	1
1	Print Items	Explanation Cards Set (2 Cards / Set)	15
1	Print Items	Word Relationship Cards: Set 1 (7 Cards / Set)	8
1	Print Items	Word Relationship Cards: Set 2 (7 Cards / Set)	8
1	Classroom Wall	Chapter Questions (4 Cards / Set)	1
1	Classroom Wall	Key concepts (10 Cards / Set)	1
1	Classroom Wall	Section headers: Key Concepts, Vocabulary (2 Cards / Set)	1
1	Classroom Wall	Unit Question (1 Card / Set)	1
1	Classroom Wall	Vocabulary cards (16 Card / Set)	1
1	Student Book	Dog Days of Summer (20 Pages / Book)	15
1	Student Book	Handbook of Stars and Constellations (52 Pages / Book)	15
1	Student Book	How Big Is Big? How Far Is Far? (28 Pages / Book)	15
1	Student Book	Star Scientist (20 Pages / Book)	15
1	Student Book	Which Way Is Up? (28 Pages / Book)	15

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**Grade 5****Modeling Matter****Total Boxes/Bins:2****30 Students**

Box/Bin	Item Description	Kit Qty
1	Cups, plastic, 3.5 oz, pkg/25	4
1	Cups, plastic, 9 oz, pkg/50	3
1	Felt, red	1
1	Pasta, Elbow	1
1	Pasta, Orzo	1
1	Pasta, Penne	1
1	Preprinted Label Set	1
2	Acetone Nail Polish Remover	1
2	Ball, styrene, 1", pkg/12	1
2	Chromatography Paper, pkg/20	2
2	Citric Acid	3
2	Container, with lid, 64 oz	1
2	Cornstarch	1
2	Craft Sticks, pkg/250	1
2	Cumin, powder	1
2	Cups, paper, 3 oz, pkg/100	2
2	Dropper, glass	17
2	Foam Peanuts, pkg/200	1
2	Food Coloring, pkg/4	1
2	Hook and Loop, roll	1
2	Lecithin, powder	1
2	Lid, plastic	1
2	Marker, black, permanent	1
2	Measuring Spoons, set/5	9
2	Pepper	1
2	Spoons, plastic, pkg/24	2

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## Grade 5

### Modeling Matter

**Total Boxes/Bins: 2**

**30 Students**

Box/Bin	Item Description	Kit Qty
2	Vegetable Oil	8
2	Vial w/cap	26
2	Vinegar	7

Box/Bin	Print Type	Item Description	Kit Qty
1	Investigation Notebook	The Chemistry of Food (96 Pages / Book)	1
1	Print Items	Word Relationships Cards: Set 1 (8 Cards / Set)	8
1	Print Items	Word Relationships Cards: Set 2 (8 Cards / Set)	8
1	Classroom Wall	Chapter Questions (3 Cards / Set)	1
1	Classroom Wall	Key concepts (11 Cards / Set)	1
1	Classroom Wall	Section headers: Key Concepts, Vocabulary (2 Cards / Set)	1
1	Classroom Wall	Unit Question (1 Card / Set)	1
1	Classroom Wall	Vocabulary cards (14 Card / Set)	1
1	Student Book	Break It Down: How Scientists Separate Mixtures (28 Pages / Book)	15
1	Student Book	Food Scientist's Handbook (52 Pages / Book)	15
1	Student Book	Made of Matter (28 Pages / Book)	15
1	Student Book	Science You Can't See (28 Pages / Book)	15
1	Student Book	Solving Dissolving (24 Pages / Book)	15

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## Grade 5

### The Earth System

**Total Boxes/Bins:2**

**30 Students**

Box/Bin	Item Description	Kit Qty
1	Calcium Chloride, flakes	2
1	Cup, plastic, 16 oz	18
1	Cups, plastic, 9 oz, pkg/50	2
1	Graduated Cylinder, 25 mL	16
1	Lid, plastic	18
1	Measuring Spoons, set/5	16
1	Phenol Red, solution	1
1	Plastic Wrap	2
1	Preprinted Label Set	1
2	Aluminum Foil	2
2	Bags, plastic zip, 6 x 8", pkg/100	2
2	Baking Soda	3
2	Container, plastic, 16 oz	18
2	Cup, foam, 8 oz	2
2	Cup, plastic, 1/2 oz	32
2	Droppers/Pipettes, pkg/20	1
2	Dropping Bottle, 60 mL	18
2	Food Coloring, pkg/4	1
2	Globe / Earth Model, inflatable ball	1
2	Lid, plastic	25
2	Tissue Paper, asst. colors, pkg/20	1
2	Wood Slat, tongue depressor	18

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## Grade 5

### The Earth System

**Total Boxes/Bins:2**

Box/Bin	Print Type	Item Description	Kit Qty
1	Investigation Notebook	Investigating Water Shortages (128 Pages1 Book)	1
1	Print Items	Word Relationships Cards: Set 1 (4 Cards / Set)	8
1	Print Items	Word Relationships Cards: Set 2 (8 Cards / Set)	8
1	Print Items	Word Relationships Cards: Set 3 (6 Cards / Set)	8
1	Classroom Wall	Chapter Questions (5 Cards / Set)	1
1	Classroom Wall	Key concepts (14 Cards / Set)	1
1	Classroom Wall	Section headers: Key Concepts, Vocabulary (2 Cards / Set)	1
1	Classroom Wall	Unit Question (1 Card / Set)	1
1	Classroom Wall	Vocabulary cards (21 Cards / Set)	1
1	Student Book	Chemical Reactions Everywhere (24 Pages / Book)	15
1	Student Book	Drinking Cleopatra's Tears (28 Pages / Book)	15
1	Student Book	Engineering Clean Water (20 Pages / Book)	15
1	Student Book	How the Earth System Explains Dinosaur Extinction (24 Pages / Book)	15
1	Student Book	Water Encyclopedia (52 Pages / Book)	15
1	Student Book	Water Shortages, Water Solutions (24 Pages / Book)	15

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## Grade 5

### Ecosystem Restoration

**Total Boxes/Bins: 3**

**30 Students**

Box/Bin	Item Description	Kit Qty
1	Bag, plastic zip, 6 x 8"	28
1	Balloons, pkg/35	1
1	Craft Sticks, pkg/30	1
1	Cups, plastic, 9 oz, pkg/50	3
1	Energy Tokens, pkg/400	1
1	Linking Cube, blue, pkg/100	4
1	Linking Cube, green, pkg/25	1
1	Linking Cube, red, pkg/25	2
1	Linking Cube, white, pkg/100	4
1	Pipe Cleaner, brown, pkg/100	1
1	Pipe Cleaner, green, pkg/100	1
1	Spoons, plastic, pkg/24	1
1	Spray Bottle, 16 oz	2
1	Yarn, green	1
2	Seeds, Alfalfa	1
2	Seeds, Grass	2
2	Silt	2
2	Tank, 1-1/2 gallon with cover	8
3	Humus	7

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## Grade 5

### Ecosystem Restoration

**Total Boxes/Bins: 3**

Box/Bin	Print Type	Item Description	Kit Qty
1	Investigation Notebook	Matter and Energy in a Rain Forest (92 Pages / Book)	1
1	Print Items	Evidence Cards: Animals (5 Cards / Set)	8
1	Print Items	Evidence Cards: Decomposers (6 Cards / Set)	8
1	Print Items	Evidence Cards: Plants (5 Cards / Set)	8
1	Print Items	Leaves and Roots Game Board (1 Sheet / Set)	16
1	Print Items	Leaves and Roots Game Cards (28 Cards / Set)	8
1	Print Items	Organism Name Cards: Set 1 (36 Cards / Set)	1
1	Print Items	Organism Name Cards: Set 2 (36 Cards / Set)	1
1	Classroom Wall	Chapter Questions (3 Cards / Set)	1
1	Classroom Wall	Key concepts (13 Cards / Set)	1
1	Classroom Wall	Section headers: Key Concepts, Vocabulary (2 Cards / Set)	1
1	Classroom Wall	Unit Question (1 Card / Set)	1
1	Classroom Wall	Vocabulary cards (19 Card / Set)	1
1	Student Book	Energy Makes It All Go (28 Pages / Book)	15
1	Student Book	Matter Makes It All Up (24 Pages / Book)	15
1	Student Book	Restoration Case Studies (56 Pages / Book)	15
1	Student Book	Walk in the Woods (24 Pages / Book)	15
1	Student Book	Why Do Scientists Argue? (24 Pages / Book)	15