• Use *Science Cut Ups* for learning, reviewing, assessing, tutoring or science “centers”.

• *Science Cut Ups* are designed with manipulative pieces to be cut apart by the teacher and used with mats, charts & diagrams or as prompts for student thinking & discussion.

• Most sets allow 10 pairs or small groups of students to work at the same time.

• The colorful manipulative pieces and visuals engage learners and allow teachers to differentiate for the many learners in their classrooms.

• Instructions and suggested uses come with each set.

• *Science Cut Ups* are preprinted in color on 8 ½ X 11” cardstock. Laminating materials is recommended for longer durability.

• Store the manipulative cards in baggies or envelopes.

• Numerous *Science Cut Ups* titles are available in SPANISH.

• *Science Cut Ups* are developed, published, copyrighted and trademarked by Rosemary Martin.

• *Science Cut Ups* are copyrighted and therefore cannot be copied.

• Supporting Science Inc. is the sole source for *Science Cut Ups*. If you need specific paperwork for purchasing *Science Cut Ups* contact us at ssibastrop@gmail.com, 512-237-2538 or 972-567-8539.

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### ACIDS, BASES & SALTS DATA TABLE

Organize 40 description & example cards on the data table. Color printed cardstock materials, 10 sets for $15 Electronic version available on TPT Grades HS

### ANIMAL & PLANT BEHAVIORS

Match 33 terms, descriptions & examples into sets. Color printed cardstock materials, 10 sets for $15 Electronic version available on TPT Grades 7-HS

### ANIMALS’ PARTS

Organize 32 animal pictures by external characteristics. Color printed cardstock materials, 10 sets for $15 Electronic version available on TPT Grades PreK-1
### Atoms: What's the Charge?
Analyze 18 atom diagrams to identify ions.
Color printed cardstock materials, 10 sets for $15
Grades 8-HS

### Balanced & Unbalanced Forces
Calculate net force & direction in 30 examples; extend with sorting activities.
Color printed cardstock materials, 10 sets for $15
Grades 6-HS

### Biotic or Abiotic?
Use 56 cards in 3 different activities to identify factors & how they impact ecosystems.
Color printed cardstock materials, 10 sets for $15
Grades 5-HS

### Build-A-Cell
Make 18 eukaryotic & prokaryotic cells-to-order & explain organelles chosen.
Color printed cardstock materials, 5-6 sets for $25
Grades HS

### Cause & Effect Match Ups
40 matching squares in 2 sets with easy readability.
Color printed cardstock materials, 10 sets for $15
Electronic version available on TPT
Grades 2-5

### Cell Count Game
54 questions cover cell types, parts, functions, facts & analogies.
Color printed cardstock materials, 5 games for team play $20
Grades 6-HS

### Cell Organelle Review
Match 12 organelle illustrations to their names, functions & analogy-like examples of their roles.
Color printed cardstock materials, 10 sets for $15

### Changes in Motion
Speed-Velocity-Acceleration
Two active activities; classify examples & interpret graphed data.
Color printed cardstock materials, Classroom set for both, $15, Grades 6-HS

### Characteristics of Living Things
18 data cards to organize by life function.
Color printed cardstock materials, 10 sets for $15
Electronic version available on TPT
Grades K-3

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**Central Vacuole**
- Membrane
- Stores water
- Regulates contents together
- Release energy

**Centrioles**
- Pair inside cell
- Contains DNA in chromosomes
- Directs all cell activities

**Chloroplast**
- Uses O₂
- Produces energy
- Only in plants
- Produces glucose
- Carries out photosynthesis
- Traps sunlight
- Converts light into sugar

**Cell Wall**
- Provides support
- Provides a rigid structure
- Protects plant cells from their environment

**Cell Membrane**
- Provides a barrier between the cell and its environment
- Controls movement of materials in & out of the cell

**Vacuole**
- Stores proteins that have a bitter taste for protection
- Stores water & other solutions
- Stores nutrients
- Helps maintain turgor pressure

---

**A toy car is pushed**
- It moves
- Someone knocks at the door
- A dog barks
- A danger signal is heard

**A wall switch is turned on**
- A dark switch
- Someone plucks
- A school bus flashes its lights
- Traffic slows and cars stop

**Water is poured on a dry sponge**
- Soft
- Favorite color
- A bowl of soup
- Someone burns their tongue

**Fresh pepper is being used**
- Someone sneezes
- A bowl of soup is very hot
- Someone burns their tongue
- There are scraps all over the floor

**Hands are rubbed together quickly**
- Warmth is felt
- Students are using scissors
- There are scraps all over the floor
- A school bus flashes its lights

---

**Build-A-Cell #4**
- Build a cell from the diagram
- Label each organelle
- Color the organelles

**Chloroplast**
- Chlorophyll
- Contains energy & photosynthesis
- The cell’s energy factory
- Flowing cells

**Mitochondria**
- Transforms energy
- Energy producer
- Disposal of waste

**Nucleus**
- Holds cell information
- Controls cell activities
- Contains DNA

**Cell Wall**
- Provides support
- Provides a rigid structure
- Protects plant cells from their environment

**Cell Membrane**
- Provides a barrier between the cell and its environment
- Controls movement of materials in & out of the cell

**Vacuole**
- Stores water & other solutions
- Stores nutrients
- Helps maintain turgor pressure

---

**Build-A-Cell**
Make 18 eukaryotic & prokaryotic cells-to-order & explain organelles chosen.
Color printed cardstock materials, 5-6 sets for $25
Grades HS

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Characteristics of the Earth, Moon, & Sun
36 descriptions to sort with Earth, Moon, & Sun labels. Color printed cardstock materials, 10 sets for $8 Grades 5-8

Chemical Reactions
Use faces, analogies & examples to teach 5 basic chemical reactions. Color printed cardstock materials, 10 sets for $25 Grades 8-HS

Claims-Evidence-Reasoning II
Generate claims & reasoning statements when given the question & evidence & use evidence to evaluate claims. Color printed cardstock materials, 10 sets for $15 Grades 6-8

Cloud Challenge
Organize 18 cards to show characteristics & weather indications of 3 cloud shapes. Color printed cardstock materials, 10 sets for $15 Electronic version available on TPT Grades K-2

Common Ancestry Match Ups
Match 36 visual cards to term cards & description cards. Color printed cardstock materials, 10 sets for $20 Grades HS

Comparing States of Matter
Organize 21 cards into 7 categories to describe properties & examples.
Color printed cardstock materials, 10 sets for $15
Grades 3-4

Comparing Life Stages
Organize 34 cards to show direct development or type of metamorphosis.
Color printed cardstock materials, 10 sets for $15
Grades 3-4

Comparing Photosynthesis & Cellular Respiration
Use 32 cards to compare processes + sequence steps of light/dark reactions & glycolysis, Krebs, etc.
Color printed cardstock materials, 10 sets for $25
Grades HS

Comparing Reproduction
Use 18 cards to compare reproduction types.
Color printed cardstock materials, 10 sets for $15
Grades 6-HS

Comparing States of Matter
Components of the Universe
Match 36 cards into sets of 3 (term, graphic, description).
Color printed cardstock materials, 10 sets for $15
Grades 6-HS

Conduction, Convection, Radiation
21 description cards to place on concept map graphic organizer.
Color printed cardstock materials, 10 sets for $15
Grades 6-HS

Conductors vs Insulators
Use a Frayer Model to identify characteristics, examples & non-examples.
Color printed cardstock materials, 10 sets for $15
Grades 4-5

Conclusion Cards
18 questions to structure better investigation summaries.
Great for differentiation!
Color printed cardstock materials, 10 sets for $8
Electronic version available on TPT
Grades 3-6

Conservation of Mass
Balance 32 equations using element & compound cards with self-checking masses.
Color printed cardstock materials for 8 different equation stations, 8 stations for $25
Grades 8-12

32 Equations

Calcium + oxygen → Calcium oxide

Ca  O2  CaO

300 Two-sided cards

40.0g  32.0g  56.0g
Daily Weather Data
Class data charts for 4 locations, student data charts plus essential vocabulary activities using 54 cards. Color printed cardstock materials, 10 sets for $20 Grades 3-4

Day or Night
28 pictures to sort by time period. Color printed cardstock materials, 10 sets for $8 Electronic version available on TPT Grades PreK-2

Density Dilemma
70 cards to link mass, volume & density to identify sinkers & floaters. Color printed cardstock materials, 10 sets for $15 Grades 6-8

Describing Data
Analyze the data in 21 charts, graphs, tables, & visuals using 15 question card prompts. Color printed cardstock materials, 10 sets for $10 Grades 6-8

Designing Investigations
28 criteria & examples to place in Venn diagram to compare types of design. Color printed cardstock materials, 10 sets for $15 Electronic version available on TPT Grades 4-HS

Earth’s Processes Play
Sequence processes that formed sedimentary rock, fossils, & fossil fuels in 5 different activity stations. Color printed cardstock materials, 10 sets for $15 Grades 4-HS

Earth’s Resources—How Did They Get Here?
Sequence events that formed resources & classify by type. Color printed cardstock materials, 10 sets for $8 Electronic version available on TPT Grades 6-HS

Earth’s Spheres
Identify the graphed elements in Earth’s spheres & explain how events impact all of them. Color printed cardstock materials, 10 sets for $20 Grades 6-HS

Ecological Succession
Predict how 18 events will impact your population of plants or animals. Color printed cardstock materials, 10 sets for $15 Grades 7-HS
### Ecosystem Stability Match Ups
Match 36 visual cards to term cards & description cards. Color printed cardstock materials, 10 sets for $20

Grades HS

### Ecosystems Tic-Tac-Toe
Compose sentences using 30 term cards relating to the concepts. Color printed cardstock materials, 10 sets for $15

Grades 3-5

### Electric Circuits
Compare complete & incomplete circuits using 48 diagrams in 4 different sets. Color printed cardstock materials, 10 sets for $25

Grades 4-5

### Electricity & Magnetism Tic-Tac-Toe
Compose sentences using 30 term cards relating to the concepts. Color printed cardstock materials, 10 sets for $15

Electronic version available on TPT. Grades 4-5

### Electromagnetic Spectrum Stations
10 stations to identify wave characteristics, dangers & uses & explore spectral lines. Color printed cardstock materials, 10 sets for $25

Grades 8-5

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**Food supply**
- Uncontrolled harvesting of food
- Less food available
- Food not distributed to areas
- Food not distributed to areas where it’s needed
- Contamination from fertilizers
- Toxic substances absorbed via water
- Rises in water
- Food not distributed to areas
- Food not distributed to areas where it’s needed
- Contamination from fertilizers
- Toxic substances absorbed via water
- Rises in water

**Water pollution**
- Sediment pollution
- Pollutants in runoff from farming, logging, mining, construction
- Untreated sewage
- Untreated sewage
- Untreated sewage
- Untreated sewage
- Untreated sewage
- Untreated sewage

**Sediment Pollution**
- Contaminates in runoff from all areas
- Eutrophication from fertilizers
- Untreated sewage
- Untreated sewage
- Untreated sewage
- Untreated sewage
- Untreated sewage
- Untreated sewage

**Environmental Toxins**
- Radiation isotopes
- Heavy metals
- Chemicals (PCBs)
- Substances absorbed via food or water in high concentrations
- Untreated sewage
- Untreated sewage
- Untreated sewage
- Untreated sewage
- Untreated sewage

**Ecosystem Stability Match Ups**

<table>
<thead>
<tr>
<th>Match 36 visual cards to term cards &amp; description cards. Color printed cardstock materials, 10 sets for $20</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grades HS</td>
</tr>
</tbody>
</table>

**Ecosystems Tic-Tac-Toe**

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<tr>
<th>Compose sentences using 30 term cards relating to the concepts. Color printed cardstock materials, 10 sets for $15</th>
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<tbody>
<tr>
<td>Grades 3-5</td>
</tr>
</tbody>
</table>

**Electric Circuits**

<table>
<thead>
<tr>
<th>Compare complete &amp; incomplete circuits using 48 diagrams in 4 different sets. Color printed cardstock materials, 10 sets for $25</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grades 4-5</td>
</tr>
</tbody>
</table>

**Electricity & Magnetism Tic-Tac-Toe**

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<th>Compose sentences using 30 term cards relating to the concepts. Color printed cardstock materials, 10 sets for $15</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electronic version available on TPT. Grades 4-5</td>
</tr>
</tbody>
</table>

**Electromagnetic Spectrum Stations**

<table>
<thead>
<tr>
<th>10 stations to identify wave characteristics, dangers &amp; uses &amp; explore spectral lines. Color printed cardstock materials, 10 sets for $25</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grades 8-5</td>
</tr>
</tbody>
</table>

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Energy Transformations
Organize 23 examples of energy transformation on the matrix. Color printed cardstock materials, 10 sets for $15
Grades 6-HS

Energy Pyramid Play
Organize 10 energy pyramids using terms, living examples, & energy units racing against the clock. Color printed cardstock materials, 10 sets for $20
Grades 7-HS

Enhancing Survival: Structures, Functions, Behaviors
Sort 30 examples including external & internal, then match adaptations to organisms & specify type. Color printed cardstock materials, 10 sets for $15
Grades 7-HS

Evaluating Advertising
Analyze “reviews”, labels, slogans, graphics, claims & testing results for 5 products. Color printed cardstock materials, 10 sets for $15
Electronic version available on TPT Grades 5-HS

Examining Energy
Match energy statements to 20 visuals & identify forms of energy in each. Color printed cardstock materials, 10 sets for $15
Grades 3-HS

Explaining Engineering
Use 30 terms to create sentences which describe the engineering process. Color printed cardstock materials, 10 sets for $15
Electronic version available on TPT Grades 3-HS

Finding Formulas
Identify formulas to be used in 18 work & motion scenarios. Color printed cardstock materials, 10 sets for $15
Grades 8-HS

Follow the Fossils
Sequence 7 rock layers from oldest to youngest by observing fossil evidence & changes in habitat. Color printed cardstock materials, 10 sets for $15
Grades 5-HS

Food Chain Energy Flow
Use levels, organisms & analogies to organize energy use & heat loss. Color printed cardstock materials, 10 sets for $15
Grades 7-HS
Food Web Work
Analyze 10 food webs for energy source, producers, consumers, decomposers, habitat, & changes. Color printed cardstock materials, 10 sets for $15 Grades 3-HS

Force & Motion
32 examples of movement with 26 word cards. Color printed cardstock materials, 10 sets for $20 Grades K-5

Forces Forum
Organize 28 cards using 3 labels to show understanding of net force & how it affects motion. Color printed cardstock materials, 10 sets for $15 Electronic version available on TPT Grades 6-HS

Forces High Five
Use a game format to identify force examples: gravity, friction, magnetism, buoyancy, & centripetal force. Color printed cardstock materials, 10 sets for $20 Grades 3-HS

Forces That Change the Landscape
42 photo & word cards to describe constructive & destructive Earth processes. Color printed cardstock materials, 10 sets for $20 Grades 3-HS

Forms of Energy
Match 24 cards into sets of 3 (term, graphic, description). Color printed cardstock materials, 10 sets for $10 Grades 3-HS

Fossils or Not?
28 cards to place in Frayer Model. Color printed cardstock materials, 10 sets for $15 Electronic version available on TPT Grades 5-HS
From Cells to Populations
30 data cards to organize cell, tissue, organ & system data. Color printed cardstock materials, 10 sets for $15
Grades 6-HS

Galaxies
26 photos + 13 characteristic cards to organize in Venn diagram. Color printed cardstock materials, 10 sets for $15
Grades 8-HS

Guess Who? Contributions in Life Science
Match photos of 24 scientists to their major achievements & create a mini-book to highlight one of these men or women. Color printed cardstock materials, 10 sets for $15
Electronic version available on TPT
Grades 6-HS

Heat Transfer Types
Sort 31 examples of thermal energy transfer as radiation, conduction or convection. Color printed cardstock materials, 10 sets for $15
Grades 6-HS

Homeostasis Handiwork
Sequence steps in 6 negative feedback loops & 3 positive feedback loops. Color printed cardstock materials, 10 sets for $25
Electronic version available on TPT
Grades HS

Human Body Systems
Sort & organize 88 parts & functions of 10 body systems. Color printed cardstock materials, 10 sets for $25
Grades 7-HS

Igneous Rocks-Concept map
23 description cards to place on concept map graphic organizer. Color printed cardstock materials, 10 sets for $15
Electronic version available on TPT
Grades 6-HS

Inherited or Learned
36 traits, behaviors & responses to sort. Color printed cardstock materials, 10 sets for $15
Grades 3-7
Annali is investigating how far a balloon will travel when the air is released out of it. She is filling 3 balloons with different amounts of air. Also, she is stretching the balloons to a straw so that they will travel farther. She is filling a smaller amount of air today.

a. What is the independent variable?
b. What is the dependent variable?
c. What type of rule would one follow to avoid getting hurt?
d. What other force(s) affect this testing?
e. What science tools would be used in this investigation?
f. What safety rules would be used in this investigation?

g. What type of investigation is this?
<table>
<thead>
<tr>
<th>Living or Nonliving</th>
<th>Living or Nonliving</th>
<th>Matching the Weather</th>
<th>Matter: Physical &amp; Chemical Properties</th>
</tr>
</thead>
<tbody>
<tr>
<td>40 picture cards to sort by category. Color printed cardstock materials, 10 sets for $15 Electronic version available on TPT Grades PreK-1</td>
<td>Use 36 descriptive cards &amp; a foldable® model to learn about Earth’s layers. Color printed cardstock materials, 10 sets for $20 Grades 6-12</td>
<td>Identify characteristics of 4 weather systems &amp; interpret 12 US &amp; TX maps to make predictions. Color printed cardstock materials, 10 sets for $25 Grades 5-8</td>
<td>Sort 27 properties to distinguish physical/chemical &amp; intensive/extensive. Color printed cardstock materials, 10 sets for $20 Grades 6-12</td>
</tr>
</tbody>
</table>

**Living or Nonliving**

<table>
<thead>
<tr>
<th>Category</th>
<th>Activity</th>
<th>Materials</th>
<th>Cost</th>
<th>Grades</th>
</tr>
</thead>
<tbody>
<tr>
<td>Living</td>
<td>40 picture cards</td>
<td>Color printed cardstock materials, 10 sets</td>
<td>$15</td>
<td>PreK-1</td>
</tr>
<tr>
<td>Nonliving</td>
<td>40 picture cards</td>
<td>Color printed cardstock materials, 10 sets</td>
<td>$15</td>
<td>PreK-1</td>
</tr>
</tbody>
</table>

**Matching the Weather**

<table>
<thead>
<tr>
<th>Activity</th>
<th>Materials</th>
<th>Cost</th>
<th>Grades</th>
</tr>
</thead>
<tbody>
<tr>
<td>36 descriptive cards</td>
<td>Color printed cardstock materials, 10 sets</td>
<td>$20</td>
<td>6-12</td>
</tr>
</tbody>
</table>

**Matter: Physical & Chemical Properties**

<table>
<thead>
<tr>
<th>Activity</th>
<th>Materials</th>
<th>Cost</th>
<th>Grades</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sort 27 properties</td>
<td>Color printed cardstock materials, 10 sets</td>
<td>$20</td>
<td>6-12</td>
</tr>
</tbody>
</table>
Measurement Tools
Match 16 tool illustrations to their labels, what they measure & what units are used.
Color printed cardstock materials, 10 sets for $15
Electronic version available on TPT
Grades 3-8

Mechanisms of Evolution
Organize 16 examples using 6 ways evolution can occur.
Color printed cardstock materials, 10 sets for $15
Grades HS

Metals, Nonmetals & Metalloids
Organize 45 description & example cards on the data table.
Color printed cardstock materials, 10 sets for $15
Grades 6-HS

Metamorphic Rocks-Concept Map
18 description cards to place on concept map graphic organizer.
Color printed cardstock materials, 10 sets for $15
Electronic version available on TPT
Grades 6-HS

Microscope Parts
Part, function, & graphic labels & 3 different microscope diagrams.
Color printed cardstock materials, 10 sets for $20
Electronic version available on TPT
Grades 4-HS

Minerals Matter
30 description cards to organize in 4 categories on data chart.
Color printed cardstock materials, 10 sets for $15
Electronic version available on TPT
Grades 6-HS

Mitosis Match
30 cards to organize in 5 phases using both animal & plant microphotographs plus a foldable® template.
Color printed cardstock materials, 10 sets for $10
Grades 7-HS

Mitosis vs Meiosis
32 description cards to compare processes & identify phases.
Color printed cardstock materials, 10 sets for $15
Grades 7-HS

Moon Motion
Measure & record data from 12 sky diagrams, sort 27 description cards & sequence moon phases.
Color printed cardstock materials, Classroom set for $25
Grades 3-HS
<table>
<thead>
<tr>
<th><strong>Moon Phases Review</strong></th>
<th><strong>Motion Graph Match</strong></th>
<th><strong>Mountains, Valleys, Plains &amp; Plateaus</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>28 Moons + word cards for sequencing, sorting, etc.</td>
<td>Compare speed vs distance &amp; speed vs time graphs. Interpret &amp; describe motions using relevant vocabulary.</td>
<td>Diagrams &amp; characteristic cards for 10 groups plus 28 cards for photo hunt.</td>
</tr>
<tr>
<td>Color printed cardstock materials, One set, $5</td>
<td>Color printed cardstock materials, 10 sets for $20</td>
<td>Color printed cardstock materials, 10 sets for $15</td>
</tr>
<tr>
<td>Grades 2-HS</td>
<td>Grades 6-HS</td>
<td>Grades 4-HS</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Mutation Match Ups</strong></th>
<th><strong>Natural Selection vs Artificial selection</strong></th>
<th><strong>Natural World Patterns</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Match 36 visual cards to term cards &amp; description cards.</td>
<td>Sort 21 examples &amp; descriptors, sequence Darwin’s finches work, &amp; discuss 10 concept cartoons.</td>
<td>Use 37 photos to identify patterns in tides, seasons, day/night, shadows, &amp; Moon phases.</td>
</tr>
<tr>
<td>Color printed cardstock materials, 10 sets for $20</td>
<td>Color printed cardstock materials, 10 sets for $20</td>
<td>Color printed cardstock materials, 10 sets for $20</td>
</tr>
<tr>
<td>Grades HS</td>
<td>Grades 7-HS</td>
<td>Grades 3-5</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Newton’s Laws</strong></th>
<th><strong>Nothing Stays the Same</strong></th>
<th><strong>Objects in Space</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Organize 24 motion example cards on a Venn diagram to show knowledge of 3 Laws.</td>
<td>Organize 18 description cards on the data table to show knowledge of processes over time.</td>
<td>24 cards to sort &amp; place in graphic organizers. Sky objects, solar system, &amp; beyond.</td>
</tr>
<tr>
<td>Color printed cardstock materials, 10 sets for $20</td>
<td>Color printed cardstock materials, 10 sets for $15</td>
<td>Color printed cardstock materials, 10 sets for $8</td>
</tr>
<tr>
<td>Grades HS</td>
<td>Electronic version available on TPT Grades 3-5</td>
<td>Grades K-7</td>
</tr>
</tbody>
</table>

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### Observation Cards PreK-1
- 12 thinking prompts for observation activities with early learners.
- Color printed cardstock materials, 10 sets for $8
- Electronic version available on TPT

#### Observations vs Inferences
- 30 sets to match up plus 12 pictures to write observations & inferences about.
- Color printed cardstock materials, 10 sets for $20
- Electronic version available on TPT

#### Ocean Systems Order
- Sort 20 examples of dependence & modifications & create a reference foldable.
- Color printed cardstock materials, 10 sets for $15

#### Organism Interactions
- Organize 15 examples under 5 labels & create a petal foldable reference.
- Color printed cardstock materials, 10 sets for $10

#### Organizing Organic Compounds
- Organize 4 compound types in 4 categories to show their composition & functions.
- Color printed cardstock materials, 10 sets for $15

#### Origins of the Universe
- Rank the speed of 5 galaxies using their spectrums, then use 27 term cards to explain the prevailing theories.
- Color printed cardstock materials, 10 sets for $15

#### Periodic Puzzler
- Organize periodic table groups by properties & use clues to name groups & periods.
- Color printed cardstock materials, 10 sets for $20

#### Photosynthesis & Cellular Respiration
- Use cards to form balanced equations, then compare the 2 processes using a Venn.
- Color printed cardstock materials, 10 sets for $25

#### Pick a Plate
- Identify the 7 major plates & their characteristics, then create a foldable explaining plate movements.
- Color printed cardstock materials, 10 sets for $10
**Plate Tectonics**

- **Plate Tectonics- Evolution of a Theory**
  Sequence historical information & evidence which led to current theory.
  Color printed cardstock materials, 10 sets for $10
  Grades 6-HS

- **Polymer Chemistry**
  Analyze & match properties of 6 polymers to 18 product scenarios.
  Color printed cardstock materials, 10 sets for $15
  Electronic version available on TPT
  Grades HS

- **Potential or Kinetic Energy**
  32 examples to describe & compare potential & kinetic energy.
  Color printed cardstock materials, 10 sets for $15
  Grades 6-HS

**Reasons for Seasons**

Sort seasonal events that indicate changes occur as Earth orbits the Sun.
Color printed cardstock materials, 10 sets for $15
Grades 4-HS
**Reflection or Refraction**
Organize 16 description & example cards on a data chart. Color printed cardstock materials, 10 sets for $15
Grades 3-5

**Researching Resources**
Select from 12 advantages & 19 disadvantages when evaluating 9 different energy resources. Color printed cardstock materials, 10 sets for $15
Grades 6 - HS

**Revolution & Rotation**
2 diagrams, questions, & 18 examples to analyze for type of movement. Color printed cardstock materials, 10 sets for $15
Grades 5-6

**Rock Cycle**
Sort 15 description cards & use descriptive strips to create a rock cycle diagram. Color printed cardstock materials, 10 sets for $8
Grades 5-6

**Rock, Soil & Water Uses**
27 picture cards to sort by category. Color printed cardstock materials, 10 sets for $7
Electronic version available on TPT
Grades PreK-1

**Safety Scenario & Symbol Cards**
16 cards to identify & discuss hazards before investigations plus 9 practice scenarios. Color printed cardstock materials, 10 sets for $15
Grades K-6

**Science Scholars Card Game**
Life, earth, & physical terms. Played like Go Fish or Old Maid. Make sets of matching words & definitions.
Game for 2-5 players,
Color printed cardstock materials, 1 card game for $10
Electronic version available on TPT
Grades 4-8
### Seasons
Organize 20 data cards about seasons in both hemispheres. Color printed cardstock materials, 10 sets for $15
Grades 8-HS

### Sedimentary Rocks-Concept Map
15 description cards to place on concept map graphic organizer. Color printed cardstock materials, 10 sets for $15
Electronic version available on TPT
Grades 6-HS

### Sensing Seasons
30 description cards to sort by season, plus 15 decision cards for clothing, transportation, & activities to plan. Color printed cardstock materials, 10 sets for $25
Electronic version available on TPT
Grades K-2

### Separating Mixtures
Choose from method cards to explain how 16 mixtures can be separated. Color printed cardstock materials, 10 sets for $15
Grades 3-HS

### Simple Machines
47 examples to identify & sort with label cards. Color printed cardstock materials, 10 sets for $20
Electronic version available on TPT
Grades 3-HS

### Soil Formation Story
Sequence soil formation, & sort age factors & indicators. Color printed cardstock materials, 10 sets for $15
Electronic version available on TPT
Grades 3-HS

### Soil Study
28 cards & observation activities to show properties, types, components & uses. Color printed cardstock materials, 10 sets for $20
Grades 4-6

### Solar System Scavenger Hunt
Work in partners to de-code 18 clues about planets, gravity, asteroids, comets, meteors & moons. Color printed cardstock materials for class activity, $5
Grades 6 - HS

### Solids, Liquids & Gases
24 description cards to place in Venn Diagram. Color printed cardstock materials, 10 sets for $15
Grades 3-6
**Sorting Shells-Dichotomous Key**

24 shells to identify using the key provided or create your own criteria & key. Color printed cardstock materials, 10 sets for $15

Grades 7-HS

<p>| | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1a</td>
<td>Printed shape</td>
<td>Go to 2</td>
<td></td>
</tr>
<tr>
<td>1b</td>
<td>Not printed shape</td>
<td>Go to 3</td>
<td></td>
</tr>
<tr>
<td>2a</td>
<td>One point</td>
<td>Go to 4</td>
<td></td>
</tr>
<tr>
<td>2b</td>
<td>Multiple points</td>
<td>Go to 5</td>
<td></td>
</tr>
<tr>
<td>3a</td>
<td>Colored shape</td>
<td>Go to 10</td>
<td></td>
</tr>
<tr>
<td>3b</td>
<td>Not colored shape</td>
<td>Go to 17</td>
<td></td>
</tr>
</tbody>
</table>

**Space Race**

Win the race by matching events since 1942 with the year they occurred.

Color printed cardstock materials, 10 sets for $20

Grades 6-HS

**Star Life Cycles**

2 different graphic organizer activities using descriptions & icon cards to sequence star life stages. Color printed cardstock materials, 10 sets for $20

Grades 8-HS

**Stars & the H-R Diagram**

Graph 16 stars & determine their ages while recording in a star-shaped foldable. Color printed cardstock materials, 10 sets for $15

Grades 8-HS

**Stimulus & Response**

Use the “I have . . . who has” format in 3 large groups to pair the cards including 4 plant tropisms. Color printed cardstock materials, Classroom set for $20

Grades 7-HS

**STAAR Strategies for Success-ES**

10 centers using process thinking strategies with 5th STAAR blueprint content. Color printed cardstock materials, Classroom Package, $35

Grades 5-6

**STAAR Strategies for Success-MS**

10 centers using process thinking strategies with 8th STAAR blueprint content. Color printed cardstock materials, Classroom Package, $50

Grades 8-9

**Structures for Survival**

Identify the survival function of 40 structures & create a foldable. Extend with structural comparisons. Color printed cardstock materials, 10 sets for $20

Grades 1-5

**Systems & Their Parts**

36 picture examples to analyze for parts & interactions. Color printed cardstock materials, 10 sets for $15

Electronic version available on TPT

Grades PreK-3
<table>
<thead>
<tr>
<th>Grade</th>
<th>TEKS Resource Description</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>Taxonomy Tic-Tac-Toe</td>
<td>Compose sentences using 30 term cards about domains, kingdoms, etc. Color printed cardstock materials, 10 sets for $15. Grades 6-HS</td>
</tr>
<tr>
<td></td>
<td>TEKS EOC Review for Biology</td>
<td>10 stations utilizing card sorts, data recording, technology links &amp; much more for a comprehensive TEKS review of the EOC blueprint. Color printed cardstock materials, Classroom package, $125</td>
</tr>
<tr>
<td>4</td>
<td>TEKS Grade 4 Sampler</td>
<td>24 centers to review or enrich content TEKS using card activities &amp; data recording. Color printed cardstock materials, Classroom package, $90</td>
</tr>
<tr>
<td>5</td>
<td>TEKS Grade 5 Sampler</td>
<td>24 centers to review or enrich content TEKS using card activities &amp; data recording. Color printed cardstock materials, Classroom package, $90</td>
</tr>
<tr>
<td>6</td>
<td>TEKS Grade 6 Sampler</td>
<td>24 centers to review or enrich content TEKS using card activities &amp; data recording. Color printed cardstock materials, Classroom package, $100</td>
</tr>
<tr>
<td>7</td>
<td>TEKS Grade 7 Sampler</td>
<td>26 centers to review or enrich content TEKS using card activities &amp; data recording. Color printed cardstock materials, Classroom package, $120</td>
</tr>
<tr>
<td>8</td>
<td>TEKS Grade 8 Sampler</td>
<td>39 centers to review or enrich content TEKS using card activities &amp; data recording. Color printed cardstock materials, Classroom package, $160</td>
</tr>
<tr>
<td></td>
<td>TEKS STAAR Review for 5th Grade</td>
<td>10 stations utilizing card sorts, data recording, technology links &amp; much more for a comprehensive TEKS review of the 5th STAAR blueprint. Color printed cardstock materials, Classroom package, $35</td>
</tr>
</tbody>
</table>
### TEKS STAAR Review for 8th Grade
10 stations utilizing card sorts, data recording, technology links & much more for a comprehensive review of the 8th STAAR blueprint. Color printed cardstock materials, Classroom package, $50

### Temperature Changes
42 picture examples to describe temperature changes. Color printed cardstock materials, 10 sets for $20
Electronic version available on TPT
Grades PreK-4

### Testable Questions
20 questions to sort using criteria on sorting mat. Color printed cardstock materials, 10 sets for $15
Grades 3-8

#### Temperature Changes
- Which plastic wrap prevents evaporation the best?
- Can solve paper tubes support your weight?
- How low does chlorine stay in water?
- How will mozzarella cheese stretch?
- Does strength of a magnet vary with temperature?
- Does hot sauce kill bacteria?
- Does sugar shorten the life of cut flowers?
- Does temperature affect the thickness of ice?
- Does holding your breath affect your heartbeat?
- At what temperature will wax melt?
- Which herbs will wither or break?
- Will strong acid decompose stains?

### The Cell Cycle
Organize 16 diagrams & labels on mat to identify cell division cycle, timeline & checkpoints. Color printed cardstock materials, 10 sets for $15
Grades HS

### The Cell Theory
Use this game format to review investigators & key components of theory. Color printed cardstock materials, 8 games for groups of 4, $15
Grades 7-HS

### The Sun-Parts & Characteristics
Use 16 cards to label the Sun plus match 32 characteristic cards & related graphics. Color printed cardstock materials, 10 sets for $15
Grades 3-HS

### Tidal Patterns
Use a movable model to collect data for changes in response to Moon’s position. Color printed cardstock materials, 10 sets for $15
Grades 8-HS

### Tools of Science-Elementary
36 pictures with labels on back. Use as word wall, sorting or scavenger hunt. Color printed cardstock materials, 1 set for $10
Electronic version available on TPT
Grades K-5

<table>
<thead>
<tr>
<th>Tools of Science-Middle School</th>
<th>Topographic Maps</th>
<th>Using Natural Resources</th>
</tr>
</thead>
<tbody>
<tr>
<td>32 tool pictures with labels on back. Use as word wall, sorting or scavenger hunt.</td>
<td>Learn &amp; practice basics, match topography to satellite views, discuss erosional features.</td>
<td>8 centers focusing on conservation &amp; properties of &amp; products from resources.</td>
</tr>
<tr>
<td>Color printed cardstock materials, 1 set, $10</td>
<td>Color printed cardstock materials, 10 sets for $25</td>
<td>Color printed cardstock materials, 10 sets for $10</td>
</tr>
<tr>
<td>Electronic version available on TPT Grades 6-8</td>
<td>Grades 8-HS</td>
<td>Grades 3-4</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Variables</th>
<th>(More) Variables</th>
<th>Water Cycle</th>
</tr>
</thead>
<tbody>
<tr>
<td>9 student investigations to identify both variables &amp; constants. Color printed cardstock materials, 9 sets for $10 Grades 5-8</td>
<td>9 more student investigations to identify variables, constants, plus equipment needed &amp; safety rules. Color printed cardstock materials, 9 sets for $15 Grades 5-8</td>
<td>Match diagrams, words, &amp; explanations of processes. Color printed cardstock materials, 10 sets for $15 Grades 2-5</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Watershed Welfare</th>
<th>Waterways</th>
<th>Wave Interactions</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 card activities to focus on human impacts on surface water &amp; groundwater. Color printed cardstock materials, 10 sets for $25 Grades 7- HS</td>
<td>Match words, descriptions &amp; photos of 5 water sources, then compare freshwater &amp; saltwater with a Venn. Color printed cardstock materials, 10 sets for $15 Electronic version available on TPT Grades K-2</td>
<td>Organize 6 terms, their descriptions &amp; 36 examples on a data table. Color printed cardstock materials, 10 sets for $20 Grades HS</td>
</tr>
</tbody>
</table>
Waves Card Game
90 cards to make sets (terms, descriptions & diagrams).
Played like Gin.
Game for 2 to 4 players,
Color printed cardstock materials,
1 card game for $15
Electronic version available on TPT Grades HS

Weather vs Climate
Sort 32 description cards to highlight differences between weather & climate.
Color printed cardstock materials,
10 sets for $15
Grade 5

Weather Watch
Identify daily weather conditions & use answer cards with weather quiz questions.
Color printed cardstock materials,
10 sets for $15
Electronic version available on TPT Grades K-2

Weather Wise
Organize 42 data cards to link solar, weather & ocean systems.
Color printed cardstock materials,
10 sets for $20
Grades 8-HS

What Happened Before?
Sequence cards to show the order of events, rock layers, fossils, tree rings.
Color printed cardstock materials,
10 sets for $15
Electronic version available on TPT Grades 5-HS

What’s the Concept? Elements & Compounds
Concept attainment activities include 14 class YES/NO cards, 10 sets of group sorting cards & 12 frames for a Gallery Walk Quiz,
Color printed cardstock materials,
Classroom set for $20
Grades 6-HS

What’s the Temperature?
Analyze daily situations, read thermometers, & make predictions using Celsius scale.
Color printed cardstock materials,
10 sets for $15
Grades 2-5

Work & Simple Machines
Analyze 21 diagrams for effort force, efficiency & mechanical advantage.
Color printed cardstock materials,
10 sets for $25
Grades 6-HS

Primary Sampler for PreK-2
6 centers (Animals’ Parts, Day or Night, Living or Nonliving, Rocks, Soil & Water Uses, Systems & Their Parts, Temperature Changes) + 10 PreK-1 Observation Card Sets.
Color printed cardstock materials,
Classroom set for $20
<table>
<thead>
<tr>
<th>Package Name</th>
<th>Title Count</th>
<th>Description</th>
<th>Cost</th>
<th>Availability</th>
</tr>
</thead>
<tbody>
<tr>
<td>Elementary Sample Package for K - 5</td>
<td>41</td>
<td>One each of 41 titles, perfect for tutorials, centers, or to try out Science Cut Ups® with your students. Color printed cardstock materials, $145, the contents are listed under the Samplers Tab at <a href="http://www.sciencecutups.com">www.sciencecutups.com</a></td>
<td><a href="http://www.sciencecutups.com">www.sciencecutups.com</a></td>
<td></td>
</tr>
<tr>
<td>Elementary Sample Package II for K - 5</td>
<td>27</td>
<td>One each of 27 titles, perfect for tutorials, centers, or to try out Science Cut Ups® with your students. Color printed cardstock materials, $145, the contents are listed under the Samplers Tab at <a href="http://www.sciencecutups.com">www.sciencecutups.com</a></td>
<td><a href="http://www.sciencecutups.com">www.sciencecutups.com</a></td>
<td></td>
</tr>
<tr>
<td>Middle School Sample Package for 6 - 8</td>
<td>43</td>
<td>One each of 43 titles, perfect for tutorials, centers, or to try out Science Cut Ups® with your students. Color printed cardstock materials, $155, the contents are listed under the Samplers Tab at <a href="http://www.sciencecutups.com">www.sciencecutups.com</a></td>
<td><a href="http://www.sciencecutups.com">www.sciencecutups.com</a></td>
<td></td>
</tr>
<tr>
<td>Middle School Sample Package II for 6 - 8</td>
<td>33</td>
<td>One each of 33 titles, perfect for tutorials, centers, or to try out Science Cut Ups® with your students. Color printed cardstock materials, $155, the contents are listed under the Samplers Tab at <a href="http://www.sciencecutups.com">www.sciencecutups.com</a></td>
<td><a href="http://www.sciencecutups.com">www.sciencecutups.com</a></td>
<td></td>
</tr>
<tr>
<td>SPANISH Sample Package for 3 - 8</td>
<td>54</td>
<td>One each of 54 titles, perfect for tutorials, centers, or to try out Science Cut Ups® with your students. Color printed cardstock materials, $180, the contents are listed under the Samplers Tab at <a href="http://www.sciencecutups.com">www.sciencecutups.com</a></td>
<td><a href="http://www.sciencecutups.com">www.sciencecutups.com</a></td>
<td></td>
</tr>
</tbody>
</table>

**RECENT TESTIMONIALS**

4-16-19
“LOVE THE STUFF!”
Grand Prairie ISD

4-1-19
“My school ordered all the Biology ones & have used them for the past few years. We love them.”
Dallas ISD

1-21-19
“I’ve been meaning to write to tell you how much I have enjoyed using your materialskits in class. I plan to order more this year. Very glad that Margaret Baguio had you talk to us & present a session at LiftOff in 2016!”

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