• 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.

<table>
<thead>
<tr>
<th>ACIDS, BASES and SALTS DATA TABLE KEY</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACIDS</td>
</tr>
<tr>
<td>BASES</td>
</tr>
<tr>
<td>SALTS</td>
</tr>
</tbody>
</table>

**Acids, Bases & Salts**
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 7-9HS

**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

<table>
<thead>
<tr>
<th>TERM</th>
<th>DESCRIPTION</th>
<th>COLOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Antennae</td>
<td>Touch &amp; feel, sensory organs</td>
<td>Antennae</td>
</tr>
<tr>
<td>Beak</td>
<td>Beak &amp; bill, feeding, self-protection</td>
<td>Beak</td>
</tr>
<tr>
<td>Feet</td>
<td>Paws, foot pads, locomotion</td>
<td>Feet</td>
</tr>
<tr>
<td>Feathers</td>
<td>Coats &amp; gliding, flight</td>
<td>Feathers</td>
</tr>
<tr>
<td>Horns</td>
<td>Hard, bony knobs, for defense</td>
<td>Horns</td>
</tr>
<tr>
<td>Fins</td>
<td>Body &amp; movement, water animals</td>
<td>Fins</td>
</tr>
<tr>
<td>Hair/Fur</td>
<td>Warmth &amp; protection, insulation</td>
<td>Hair/Fur</td>
</tr>
<tr>
<td>Ears</td>
<td>Hear &amp; sound, auditory sensory organs</td>
<td>Ears</td>
</tr>
<tr>
<td>Skin</td>
<td>Moisture &amp; protection, sensory organs</td>
<td>Skin</td>
</tr>
<tr>
<td>Teeth</td>
<td>Eat &amp; chew, digestion</td>
<td>Teeth</td>
</tr>
<tr>
<td>Head</td>
<td>Sense organs, brain housing</td>
<td>Head</td>
</tr>
<tr>
<td>Tail</td>
<td>Locomotion, balance</td>
<td>Tail</td>
</tr>
</tbody>
</table>

Available In Spanish
**Atoms: What’s the Charge?**
Analyze 18 atom diagrams to identify ions.
Color printed cardstock materials, 10 sets for $15
Grades 8-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

**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

**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

**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

**Changes in Motion 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

**Cell Diagrams**
Visual for different cell types, parts, functions, facts & analogies.
Available in Spanish

**Build-A-Cell**
Visual for different cell types, parts, functions, facts & analogies.
Available in Spanish

**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
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 I
Use claims vs evidence sort, then select claims, evidence, & reasoning statements for 3 sample investigations.
Color printed cardstock materials, 10 sets for $20
Grades 4-8

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

Classifying Living Things
Organize 27 cards to show defining characteristics of the 6 kingdoms & 3 domains.
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

Chemistry Content Centers
Interactive, manipulative centers for small group instruction, tutoring, review or intervention.
Color printed cardstock materials, 16 centers for $70
Grades 6-8

The Bright Light Story
The farmer was crossing the field at dusk when a bright light was sighted in the sky. Upon reaching the bright light, Olson made a telephone call to the local police. The next day the farm news report on the local paper was an article of a UFO sighting.

Claims vs Evidence
Decide if there is evidence to support 13 claims made about a 4 sentence scenario.
Color printed cardstock materials, 10 sets for $15
Grades 4-8

### Comparing Cells & Viruses
Organize 33 cards on data chart to show differences in 11 attributes of prokaryotic & eukaryotic cells & viruses. Color printed cardstock materials, 10 sets for $15
Grades HS

### 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
Organize 21 cards into 7 categories to describe properties & examples. Color printed cardstock materials, 10 sets for $15
Grades HS

### 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

### 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 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
### 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-HS

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

### Density Dilemma Table

<table>
<thead>
<tr>
<th>Density</th>
<th>Mass amount</th>
<th>Volume amount</th>
<th>Which is greater? Mass or Volume?</th>
<th>Will it sink or float in H₂O?</th>
</tr>
</thead>
<tbody>
<tr>
<td>5.03 g/cm³</td>
<td>97.06 g</td>
<td>19.3 ml</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>2.34 g/cm³</td>
<td>7.5 g</td>
<td>3.2 ml</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>1.78 g/cm³</td>
<td>39.94 g</td>
<td>22.7 ml</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>0.85 g/cm³</td>
<td>55.0 g</td>
<td>64.7 cm³</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

### 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

### 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 6-8

### 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
Earth/Space Content Centers
Interactive, manipulative centers for small group instruction, tutoring, review or intervention. Color printed cardstock materials, 18 centers for $70
Grades 3-5

Earth/Space Content Centers
Interactive, manipulative centers for small group instruction, tutoring, review or intervention. Color printed cardstock materials, 24 centers for $95
Grades 6-8

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

Ecosystem Tic-Tac-Toe
Compose sentences using 30 term cards relating to the concepts. Color printed cardstock materials, 10 sets for $15
Grades 3-8

Effects of Earth’s Rotation
16 photo cards to match with 16 answer cards to show mastery of the day/night cycle & Sun’s movement across the sky. Color printed cardstock materials, 10 sets for $15
Grades 4-HS

Effects of Oceans on Land
31 description cards to place on concept map covering tides, breezes, waves & currents. Color printed cardstock materials, 10 sets for $15
Grades 7-HS

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

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-HS

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**Food supply**
- Food not distributed to areas where it’s needed
- Uncontrolled harvesting of plants reduces levels beyond recovery

**Water pollution**
- Contamination in fresh or salt water
- Transport of pollutants from farms and sewage systems
- Sediment

**Sediment Pollution**
- Sediment transported from farming, logging, mining, construction
- Increases turbidity
- Reduces light penetration
- Chokes waterways

**Environmental Toxins**
- Sediment
- Non-biodegradable substances absorbed via food or water
- Heavy metals
- Chemicals (PCBs)

**Ecosystem Stability Match Ups**
- scavenger
- herbivore
- carnivore
- camouflage
- adaption
- survival
- ecosystem
- niche
- habitat
- competition
- consumer
- producer
- predator

**Ecosystem Tic-Tac-Toe**
- food web/chain
- consumer
- producer
- predator/prey
- competition
- food chain
- food web
- time
- community
- population
- ecosystem
- niche
- habitat
- species
- biodiversity
- succession
- population
- community
- time
- equilibrium

---

**Effects of Earth’s Rotation**
- position of the Sun, time of the day, where east & west are located

**Effects of Oceans on Land**
- What information can a shadow give you?
- position of the Sun, time of the day, where east & west are located

**Electric Circuits**
- One bulb is lit
- Two or more bulbs are lit
- No bulbs are lit

---

**Ecological Succession**
- Event 10
- Event 11
- Event 12
- Event 13
- Event 14
- Event 15
<table>
<thead>
<tr>
<th>Activity</th>
<th>Description</th>
<th>Materials</th>
<th>Cost</th>
<th>Grades</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electromagnetic Spectrum Stations</td>
<td>10 stations to identify wave characteristics, dangers &amp; uses &amp; explore spectral lines. Color printed cardstock materials, 10 sets for $25</td>
<td></td>
<td></td>
<td>8-HS</td>
</tr>
<tr>
<td>Element, Compound or Mixture?</td>
<td>28 diagram &amp; example cards to place in Venn diagram. Color printed cardstock materials, 10 sets for $15</td>
<td></td>
<td></td>
<td>6-HS</td>
</tr>
<tr>
<td>Elements &amp; Atoms</td>
<td>Teach atomic structure for elements 1-18. Color printed cardstock class set of materials for two different activities, $10</td>
<td></td>
<td></td>
<td>6-HS</td>
</tr>
<tr>
<td>Energy Transformations</td>
<td>Organize 23 examples of energy transformation on the matrix. Color printed cardstock materials, 10 sets for $15</td>
<td></td>
<td></td>
<td>6-HS</td>
</tr>
<tr>
<td>Energy Pyramid Play</td>
<td>Organize 10 energy pyramids using terms, living examples, &amp; energy units racing against the clock. Color printed cardstock materials, 10 sets for $20</td>
<td></td>
<td></td>
<td>7-HS</td>
</tr>
<tr>
<td>Enhancing Survival: Structures, Functions, Behaviors</td>
<td>Sort 30 examples including external &amp; internal, then match adaptations to organisms &amp; specify type. Color printed cardstock materials, 10 sets for $15</td>
<td></td>
<td></td>
<td>7-HS</td>
</tr>
<tr>
<td>Evaluating Advertising</td>
<td>Analyze “reviews”, labels, slogans, graphics, claims &amp; testing results for 5 products. Color printed cardstock materials, 10 sets for $15 Electronic version available on TPT</td>
<td></td>
<td></td>
<td>5-HS</td>
</tr>
<tr>
<td>Examining Energy</td>
<td>Match energy statements to 20 visuals &amp; identify forms of energy in each. Color printed cardstock materials, 10 sets for $15</td>
<td></td>
<td></td>
<td>3-HS</td>
</tr>
</tbody>
</table>
This food web most likely occurs in a desert habitat.

Follow the Fossils
Sequence 7 rock layers from oldest to youngest by observing fossil evidence & changes in habitat.

Food Chain Energy Flow
Use levels, organisms & analogies to organize energy use & heat loss.

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 3-HS

Organize formula references & use them to solve 24 problems. Color printed cardstock materials, 10 sets for $20 Grades 5-HS

<table>
<thead>
<tr>
<th>Force Facts</th>
<th>How Forces Affect Motion</th>
<th>Calculating Forces</th>
</tr>
</thead>
<tbody>
<tr>
<td>affect inertia</td>
<td>measured in Newtons (N)</td>
<td>usually act in pairs</td>
</tr>
<tr>
<td>usually invisible but effects are visible</td>
<td>can be shown as vectors</td>
<td>make objects start moving</td>
</tr>
<tr>
<td>make objects move faster</td>
<td>make objects move slower</td>
<td></td>
</tr>
</tbody>
</table>

Force 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 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 6-7-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

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

## Investigating Force & Motion
Identify variables & investigation types, choose tools & safety rules, & relate to Newton’s Laws. Color printed cardstock materials, 10 sets for $20
Grades 4-HS

## Investigating Inclined Planes
Organize terms, descriptions & graphics, then use data to calculate effort, work & mechanical advantage. Color printed cardstock materials, 10 sets for $20
Grades 6 - HS

## Leaf Lineup-Dichotomous Key
18 leaves to sort or use the dichotomous key provided. Color printed cardstock materials, 10 sets for $15
Grades K-HS

## Life Cycles
Sequence stages & compare 6 plant & animal life cycles. Color printed cardstock materials, 10 sets for $15
Grades K-5

## Life Processes
Organize 12 cards in Venn diagram to compare plants & animals. Color printed cardstock materials, 10 sets for $15
Electronic version available on TPT Grades 3-HS

## Life Science Content Centers
Interactive, manipulative centers for small group instruction, tutoring, review or intervention. Color printed cardstock materials, 12 centers for $45
Grades 3-5
**Life Science Content Centers**
Interactive, manipulative centers for small group instruction, tutoring, review or intervention. Color printed cardstock materials, 22 centers for $95 Grades 6-8

**Light & Sound 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 5

**Light Years Low-down**
Explore measurement inside & outside our solar system & solve 6 space situations. Color printed cardstock materials, 10 sets for $20 Electronic version available on TPT Grades HS

**Lingo-Bingo Game**
Unique way to review. Find relationships between picture cards & description spaces. Game for a class of 30 playing in pairs. Color printed cardstock materials, Classroom set for $15 Electronic version available on TPT Grades 4-8

**Living Levels of Organization**
Organize from atom to biosphere on this mat with explanations, examples & visual cards. Color printed cardstock materials, 10 sets for $15 Grades 6-HS

**Looking Inside the Earth**
Use 36 descriptive cards & a foldable® model to learn about Earth’s layers. Color printed cardstock materials, 10 sets for $20 Grades 6-HS

**Mapping the Weather**
Identify characteristics of 4 weather systems & interpret 12 US & TX maps to make predictions. Color printed cardstock materials, 10 sets for $25 Grades 5-8

**Match Mates-Force & Motion**
32 cards to match into sets using terms from grades 4 through 8. Color printed cardstock materials, 10 sets for $10 Grades 6-HS
<table>
<thead>
<tr>
<th>Product Name</th>
<th>Description</th>
<th>Price</th>
<th>Grades</th>
</tr>
</thead>
<tbody>
<tr>
<td>Match Mates- Genetics</td>
<td>25 word &amp; definition cards to match up. Color printed cardstock materials, 10 sets for $15</td>
<td>$15</td>
<td>7-HS</td>
</tr>
<tr>
<td>Match Mates- Particles of Matter</td>
<td>25 word &amp; definition cards to match up. Color printed cardstock materials, 10 sets for $15</td>
<td>$15</td>
<td>6-12</td>
</tr>
<tr>
<td>Match Mates- Volcanoes/Earthquakes/Mountains</td>
<td>30 word &amp; definition cards to match up. Color printed cardstock materials, 10 sets for $15 Electronic version available on TPT</td>
<td>$15</td>
<td>6-HS</td>
</tr>
<tr>
<td>Match Mates- Weather</td>
<td>30 picture &amp; description cards to match up. Color printed cardstock materials, 10 sets for $15</td>
<td>$15</td>
<td>3-12</td>
</tr>
<tr>
<td>Matter: Physical &amp; Chemical Properties</td>
<td>Sort 27 properties to distinguish physical/chemical &amp; intensive/extensive. Color printed cardstock materials, 10 sets for $20</td>
<td>$20</td>
<td>6-12</td>
</tr>
<tr>
<td>Measurement Tools</td>
<td>Match 16 tool illustrations to their labels, what they measure &amp; what units are used. Color printed cardstock materials, 10 sets for $15 Electronic version available on TPT</td>
<td>$15</td>
<td>3-8</td>
</tr>
<tr>
<td>Mechanisms of Evolution</td>
<td>Organize 16 examples using 6 ways evolution can occur. Color printed cardstock materials, 10 sets for $15</td>
<td>$15</td>
<td>HS</td>
</tr>
<tr>
<td>Metals, Nonmetals &amp; Metalloids</td>
<td>Organize 45 description &amp; example cards on the data table. Color printed cardstock materials, 10 sets for $15</td>
<td>$15</td>
<td>6-12</td>
</tr>
<tr>
<td>Metamorphic Rocks-Concept Map</td>
<td>18 description cards to place on concept map graphic organizer. Color printed cardstock materials, 10 sets for $15 Electronic version available on TPT</td>
<td>$15</td>
<td>6-12</td>
</tr>
</tbody>
</table>
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

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 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

Moon Phases Review
28 Moons + word cards for sequencing, sorting, etc.
Color printed cardstock materials, One set, $5
Electronic version available on TPT
Grades 2-HS

Motion Graph Match
Compare speed vs distance & speed vs time graphs. Interpret & describe motions using relevant vocabulary.
Color printed cardstock materials, 10 sets for $20
Grades 6-HS

Mountains, Valleys, Plains & Plateaus
Diagrams & characteristic cards for 10 groups plus 28 cards for photo hunt.
Color printed cardstock materials, 10 sets for $15
Grades 4-HS

Mutation Match Ups
Match 36 visual cards to term cards & description cards.
Color printed cardstock materials, 10 sets for $20
Grades HS
<table>
<thead>
<tr>
<th>Category</th>
<th>Description</th>
<th>Materials Required</th>
<th>Grades</th>
</tr>
</thead>
<tbody>
<tr>
<td>Natural vs Artificial Selection</td>
<td>Sort 21 examples &amp; descriptors, sequence Darwin’s finches work, &amp; discuss 10 concept cartoons.</td>
<td>Color printed cardstock materials, 10 sets for $20</td>
<td>Grades 7-10</td>
</tr>
<tr>
<td>Natural World Patterns</td>
<td>Use 37 photos to identify patterns in tides, seasons, day/night, shadows, &amp; Moon phases.</td>
<td>Color printed cardstock materials, 10 sets for $20</td>
<td>Grades 7-10</td>
</tr>
<tr>
<td>Newton’s Laws</td>
<td>Organize 24 motion example cards on a Venn diagram to show knowledge of 3 Laws.</td>
<td>Color printed cardstock materials, 10 sets for $20</td>
<td>Grades 7-10</td>
</tr>
<tr>
<td>Nothing Stays the Same</td>
<td>Organize 18 description cards on the data table to show knowledge of processes over time.</td>
<td>Color printed cardstock materials, 10 sets for $15</td>
<td>Grades 3-5</td>
</tr>
<tr>
<td>Objects in Space</td>
<td>24 cards to sort &amp; place in graphic organizers. Sky objects, solar system, &amp; beyond.</td>
<td>Color printed cardstock materials, 10 sets for $8</td>
<td>Grades K-7</td>
</tr>
<tr>
<td>Observation Cards PreK-1</td>
<td>12 thinking prompts for observation activities with early learners.</td>
<td>Color printed cardstock materials, 10 sets for $8</td>
<td>Grades PreK-1</td>
</tr>
<tr>
<td>Ocean Systems Order</td>
<td>Sort 20 examples of dependence &amp; modifications &amp; create a reference foldable®.</td>
<td>Color printed cardstock materials, 10 sets for $15</td>
<td>Grades 8-10</td>
</tr>
<tr>
<td>Organism Interactions</td>
<td>Organize 15 examples under 5 labels &amp; create a petal foldable® reference.</td>
<td>Color printed cardstock materials, 10 sets for $10</td>
<td>Grades HS</td>
</tr>
</tbody>
</table>

*Available in Spanish*
Organizing Organic Compounds
Organize 4 compound types in 4 categories to show their composition & functions. Color printed cardstock materials, 10 sets for $15 Grades HS

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 Grades 6-HS

Physical Science Content Centers
Interactive, manipulative centers for small group instruction, tutoring, review or intervention. Color printed cardstock materials, 12 centers for $45 Grades 3-5

Picturing Physical & Chemical Changes
48 examples to sort using criteria on sorting mat. Color printed cardstock materials, 10 sets for $20 Grades 6-HS

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 Grades 6-HS

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 Grades 6-HS

Periodic Puzzler
Organize periodic table groups by properties & use clues to name groups & periods. Color printed cardstock materials, 10 sets for $20 Grades 8-HS

Picturing Physical & Chemical Changes
Use this information below to sort & organize changes described & pictured on each card as physical or chemical. Be ready to explain what the properties mean.

Physical Changes
Characteristics of physical changes:
- Alteration of some kind of matter
- No new substances are formed
- Possible indicators of physical changes:
  - Shape changes
  - Phase changes (solid to liquid, etc.)
- Examples of physical changes:
  - Cutting paper to make snowflake

Chemical Changes
Characteristics of chemical changes:
- Alteration of some kind of matter
- New substances are formed as a result of change
- Possible indicators of chemical changes:
  - Size changes
  - Shape changes
  - Color changes
  - Heat produced or reduced (cooling)
  - New substances are made (melting)
  - Odor changes as atoms link up
  - Released energy

Examples of chemical changes:
- Toasting a marshmallow
- Combining vinegar and baking soda

Possible indicators of chemical changes:
- Odor changes as atoms link up
- Released energy
- Bubbling or fizzing (gases being released)
- Heat produced or reduced (cooling)
- Color changes
- Size changes
- New substances are formed

Examples of physical changes:
- Cutting paper to make snowflake
- Combining vinegar and baking soda
- Toasting a marshmallow

Examples of chemical changes:
- Combining vinegar and baking soda
- Toasting a marshmallow

Physical Science Content Centers
Interactive, manipulative centers for small group instruction, tutoring, review or intervention. Color printed cardstock materials, 17 centers for $70 Grades 6-8

Plants Tic-Tac-Toe
Compose sentences using 30 term cards about plant parts & processes. Color printed cardstock materials, 10 sets for $15 Grades 2-HS
Plate Tectonics
Organize 25 data cards about plate movements on the data chart. Color printed cardstock materials, 10 sets for $15 Grades 6-HS

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

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

Properties of Matter: Observation Cards
24 thinking prompts for observation activities. Great for differentiation! Color printed cardstock materials, 10 sets for $15 Grades 2-5

Protein Synthesis Pack
3 activities: Protein Purpose, Transcription & Translation, Protein Synthesis Poetry. Color printed cardstock materials, 10 sets for $25 Grades 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

Energy Resource:

<table>
<thead>
<tr>
<th>Resource</th>
<th>Advantages</th>
<th>Disadvantages</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coal</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Biomass</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nuclear</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Solar</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wind</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Geothermal</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hydro</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Oil</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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
**Resources Rule!**
23 examples to sort using criteria on sorting mat.
Color printed cardstock materials, 10 sets for $15
Grades 3-6

**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 $15
Grades 5-6

**Rock, Soil & Water Uses**
27 picture cards to sort by category.
Color printed cardstock materials, 10 sets for $15
Electronic version available on TPT
Grades PreK-1

**Rotation Rationale**
Use a movable model to measure & record data for Sun's apparent movement, day/night & shadows.
Color printed cardstock materials, 10 sets for $15
Grades 3-8

**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

**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 6-8
<table>
<thead>
<tr>
<th>Category</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sensing Seasons</td>
<td>30 description cards to sort by season, plus 15 decision cards for clothing, transportation, &amp; activities to plan. Color printed cardstock materials, 10 sets for $25. Electronic version available on TPT. Grades K-2.</td>
</tr>
<tr>
<td>Separating Mixtures</td>
<td>Choose from method cards to explain how 16 mixtures can be separated. Color printed cardstock materials, 10 sets for $15. Electronic version available on TPT. Grades 3-HS.</td>
</tr>
<tr>
<td>Simple Machines</td>
<td>47 examples to identify &amp; sort with label cards. Color printed cardstock materials, 10 sets for $20. Electronic version available on TPT. Grades 3-HS.</td>
</tr>
<tr>
<td>Soil Formation Story</td>
<td>Sequence soil formation, &amp; sort age factors &amp; indicators. Color printed cardstock materials, 10 sets for $15. Grades 3-HS.</td>
</tr>
<tr>
<td>Soil Study</td>
<td>28 cards &amp; observation activities to show properties, types, components &amp; uses. Color printed cardstock materials, 10 sets for $20. Grades 4-HS.</td>
</tr>
<tr>
<td>Solar System Scavenger Hunt</td>
<td>Work in partners to de-code 18 clues about planets, gravity, asteroids, comets, meteors &amp; moons. Color printed cardstock materials for class activity, $5. Grades 6-HS.</td>
</tr>
<tr>
<td>Sorting Shells-Dichotomous Key</td>
<td>24 shells to identify using the key provided or create your own criteria &amp; key. Color printed cardstock materials, 10 sets for $15. Grades 7-HS.</td>
</tr>
<tr>
<td>Space Race</td>
<td>Win the race by matching events since 1942 with the year they occurred. Color printed cardstock materials, 10 sets for $20. Grades 6-HS.</td>
</tr>
</tbody>
</table>
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

Taxonomy Tic-Tac-Toe
Compose sentences using 30 term cards about domains, kingdoms, etc.
Color printed cardstock materials, 10 sets for $15
Grades 6-HS

TEKS EOC Review for Biology
10 stations utilizing card sorts, data recording, technology links & much more for a comprehensive TEKS review of the EOC blueprint.
Color printed cardstock materials, Classroom package, $125
<table>
<thead>
<tr>
<th>Grade 3</th>
<th>Grade 4</th>
<th>Grade 5</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>TEKS Grade 3 Sampler</strong></td>
<td><strong>TEKS Grade 4 Sampler</strong></td>
<td><strong>TEKS Grade 5 Sampler</strong></td>
</tr>
<tr>
<td>24 centers to review or enrich content TEKS using card activities &amp; data recording. Color printed cardstock materials, Classroom package, $90</td>
<td>24 centers to review or enrich content TEKS using card activities &amp; data recording. Color printed cardstock materials, Classroom package, $90</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>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Grade 6</th>
<th>Grade 7</th>
<th>Grade 8</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>TEKS Grade 6 Sampler</strong></td>
<td><strong>TEKS Grade 7 Sampler</strong></td>
<td><strong>TEKS Grade 8 Sampler</strong></td>
</tr>
<tr>
<td>24 centers to review or enrich content TEKS using card activities &amp; data recording. Color printed cardstock materials, Classroom package, $100</td>
<td>26 centers to review or enrich content TEKS using card activities &amp; data recording. Color printed cardstock materials, Classroom package, $120</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>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>TEKS STAAR Review for 5th Grade</strong></th>
<th><strong>TEKS STAAR Review for 8th Grade</strong></th>
<th><strong>Temperature Changes</strong></th>
</tr>
</thead>
<tbody>
<tr>
<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>
<td>10 stations utilizing card sorts, data recording, technology links &amp; much more for a comprehensive review of the 8th STAAR blueprint. Color printed cardstock materials, Classroom package, $50</td>
<td>42 picture examples to describe temperature changes. Color printed cardstock materials, 10 sets for $20 Electronic version available on TPT Grades PreK-4</td>
</tr>
</tbody>
</table>

### Testable Questions?

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

### 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**

### Tools of Science—Middle School

32 tool pictures with labels on back. Use as word wall, sorting or scavenger hunt.
- **Color printed cardstock materials, 1 set, $10**
- **Electronic version available on TPT**
- **Grades 6-8**

### Topographic Maps

Learn & practice basics, match topography to satellite views, discuss erosional features.
- **Color printed cardstock materials, 10 sets for $25**
- **Grades 8-HS**
<table>
<thead>
<tr>
<th>Activity</th>
<th>Description</th>
<th>Grades</th>
<th>Price</th>
<th>Materials</th>
<th>Availability</th>
</tr>
</thead>
<tbody>
<tr>
<td>Using Natural Resources</td>
<td>8 centers focusing on conservation &amp; properties of &amp; products from resources.</td>
<td>3-4</td>
<td>$15</td>
<td>Cardstock</td>
<td>Yes</td>
</tr>
<tr>
<td>Variables</td>
<td>9 student investigations to identify both variables &amp; constants.</td>
<td>5-8</td>
<td>$10</td>
<td>Cardstock</td>
<td>Yes</td>
</tr>
<tr>
<td>(More) Variables</td>
<td>9 more student investigations to identify variables, constants, plus equipment needed &amp; safety rules.</td>
<td>5-8</td>
<td>$15</td>
<td>Cardstock</td>
<td>Yes</td>
</tr>
<tr>
<td>Water Cycle</td>
<td>Match diagrams, words, &amp; explanations of processes.</td>
<td>2-5</td>
<td>$15</td>
<td>Cardstock</td>
<td>Yes</td>
</tr>
<tr>
<td>Watershed Welfare</td>
<td>2 card activities to focus on human impacts on surface water &amp; groundwater.</td>
<td>7-HS</td>
<td>$25</td>
<td>Cardstock</td>
<td>Yes</td>
</tr>
<tr>
<td>Waterways</td>
<td>Match words, descriptions &amp; photos of 5 water sources, then compare freshwater &amp; saltwater with a Venn.</td>
<td>7-HS</td>
<td>$15</td>
<td>Cardstock</td>
<td>Yes</td>
</tr>
<tr>
<td>Wave Interactions Table</td>
<td>Organize 6 terms, their descriptions &amp; 36 examples on a data table.</td>
<td>HS</td>
<td>$20</td>
<td>Cardstock</td>
<td>Yes</td>
</tr>
<tr>
<td>Waves Card Game</td>
<td>90 cards to make sets (terms, descriptions &amp; diagrams). Played like Gin.</td>
<td>HS</td>
<td>$15</td>
<td>Cardstock</td>
<td>Yes (TPT)</td>
</tr>
<tr>
<td>Weather vs Climate</td>
<td>Sort 32 description cards to highlight differences between weather &amp; climate.</td>
<td>5</td>
<td>$15</td>
<td>Cardstock</td>
<td>Yes (TPT)</td>
</tr>
</tbody>
</table>

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<table>
<thead>
<tr>
<th>Weather Watch</th>
<th>Weather Wise</th>
<th>What Happened Before?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Identify daily weather conditions &amp; use answer cards with weather quiz questions. Color printed cardstock materials, 10 sets for $15 Electronic version available on TPT Grades K-2</td>
<td>Organize 42 data cards to link solar, weather &amp; ocean systems. Color printed cardstock materials, 10 sets for $20 Grades 8-HS</td>
<td>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</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>What’s the Temperature?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Analyze daily situations, read thermometers, &amp; make predictions using Celsius scale. Color printed cardstock materials, 10 sets for $15 Grades 2-5</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Work &amp; Simple Machines</th>
</tr>
</thead>
<tbody>
<tr>
<td>Analyze 21 diagrams for effort force, efficiency &amp; mechanical advantage. Color printed cardstock materials, 10 sets for $25 Grades 6-HS</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Primary Sampler for PreK-2</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 centers (Animals’ Parts, Day or Night, Living or Nonliving, Rocks, Soil &amp; Water Uses, Systems &amp; Their Parts, Temperature Changes) + 10 PreK-1 Observation Card Sets. Color printed cardstock materials, Classroom set for $20</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Elementary Sample Package for K - 5</th>
</tr>
</thead>
<tbody>
<tr>
<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>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Elementary Sample Package II for K - 5</th>
</tr>
</thead>
<tbody>
<tr>
<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>
</tr>
</tbody>
</table>
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 www.sciencecutups.com

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 www.sciencecutups.com

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 www.sciencecutups.com

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