ALL IN ONE

SCIENCE NOTEBOOK

SAMPLER

10 Free Templates & Preview

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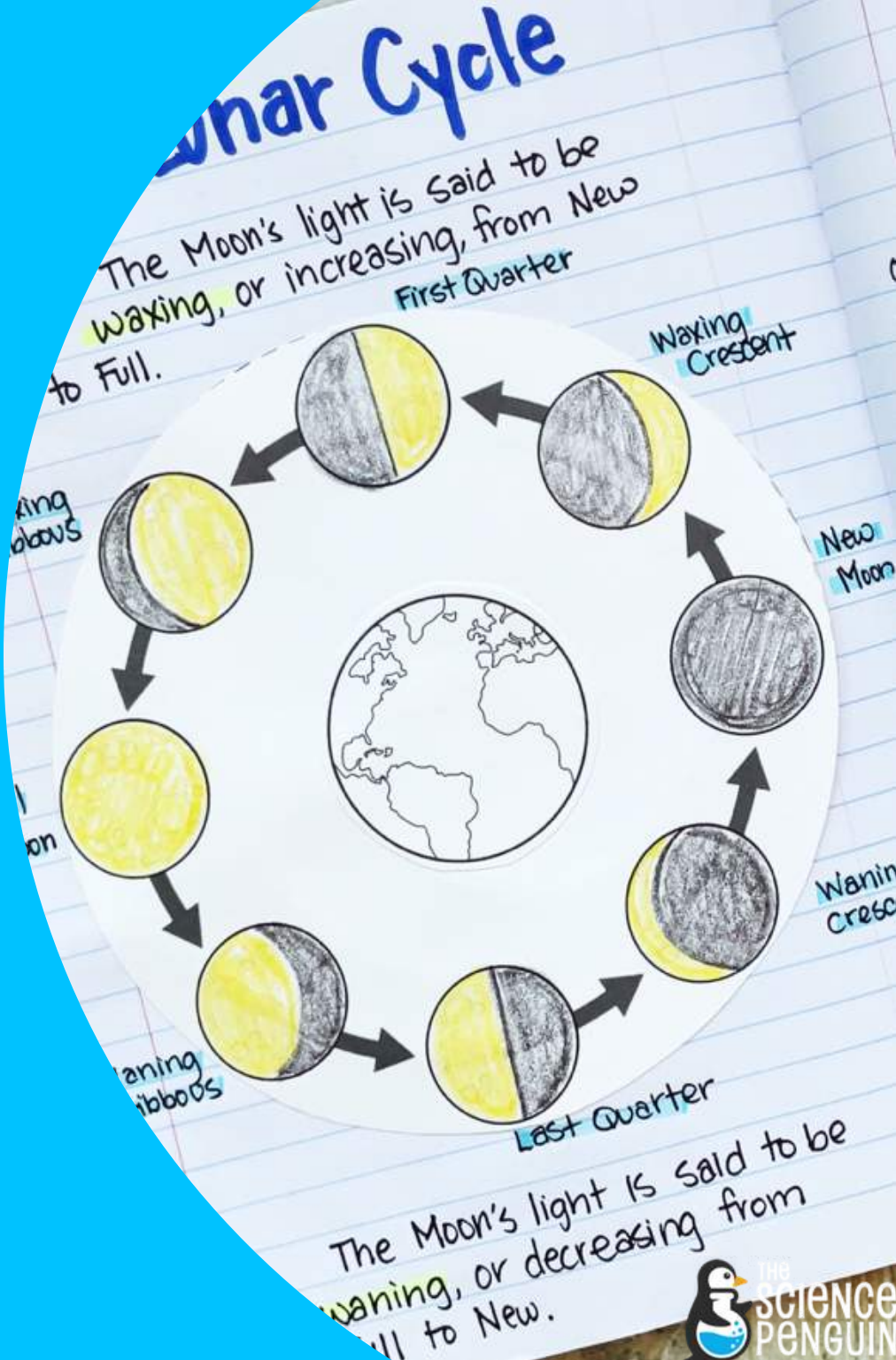
FREE TEMPLATES IN THIS SAMPLER

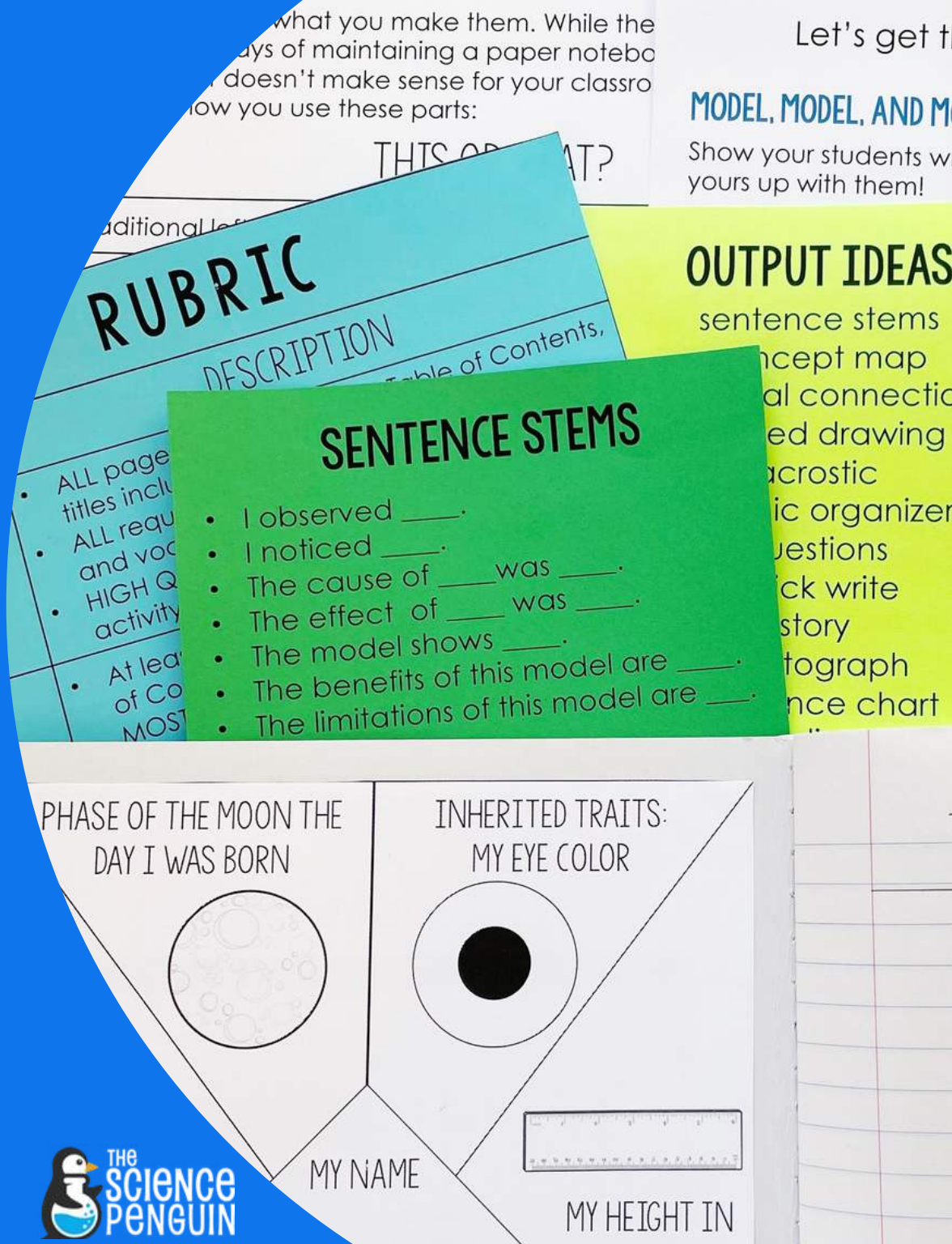
1. Lab Safety
2. Parts of a Graph
3. Photosynthesis
4. Types of Organisms
5. Desert Plant Structures
6. Solids
7. Build a Circuit
8. Simple Machines
9. Landforms Vocabulary
10. Lunar Cycle



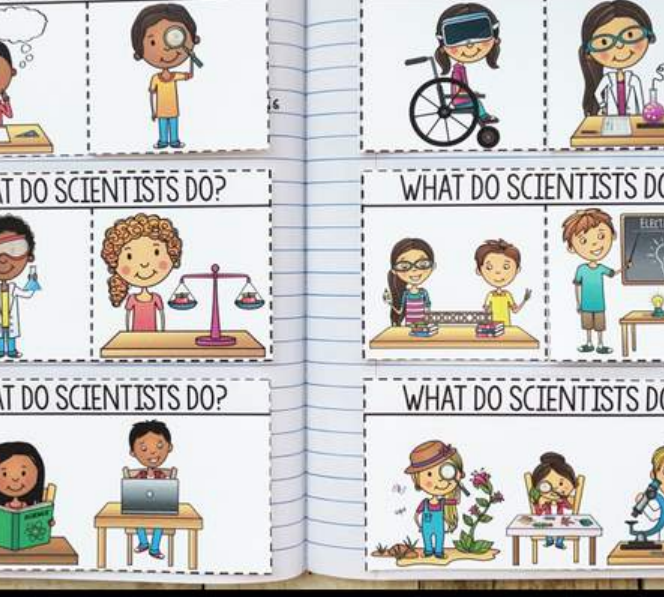
YOUR NOTEBOOK INCLUDES

- Setting Up Your Science Notebook Guide & Printables
- All-around Templates to use time and again
- Scientific & Engineering Practices
- Life Science
- Earth & Space
- Energy, Force, & Matter

IDEAS FOR USE & PHOTOS FOR TEMPLATES

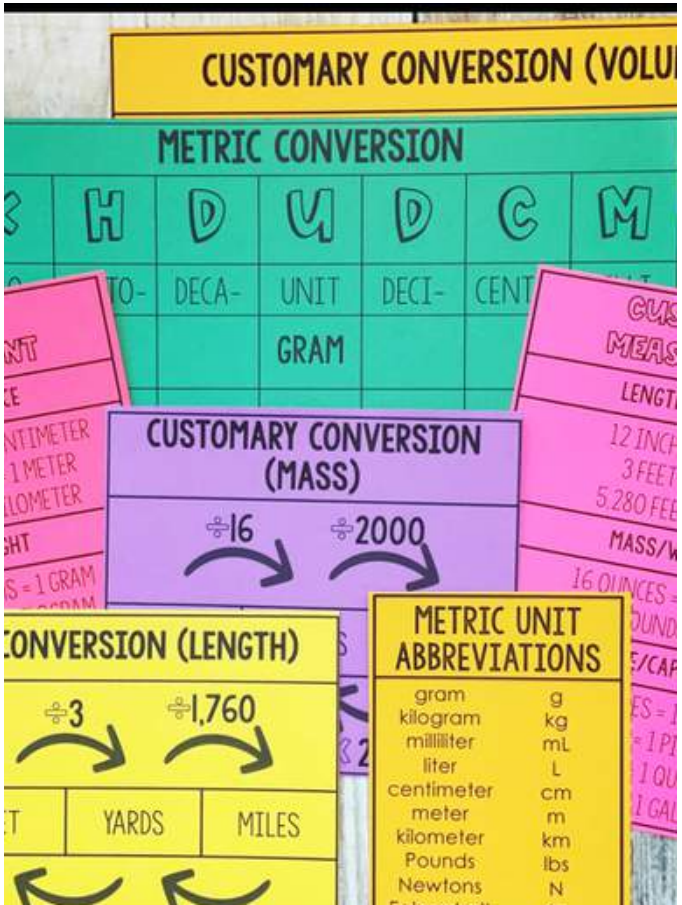


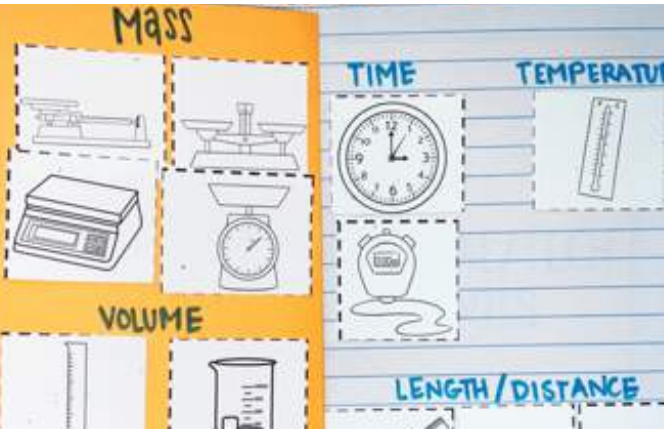
The Science Penguin



SCIENTISTS
ENGINEERING
TOOLS
MODELS
DATA
BIG MONEY WORDS

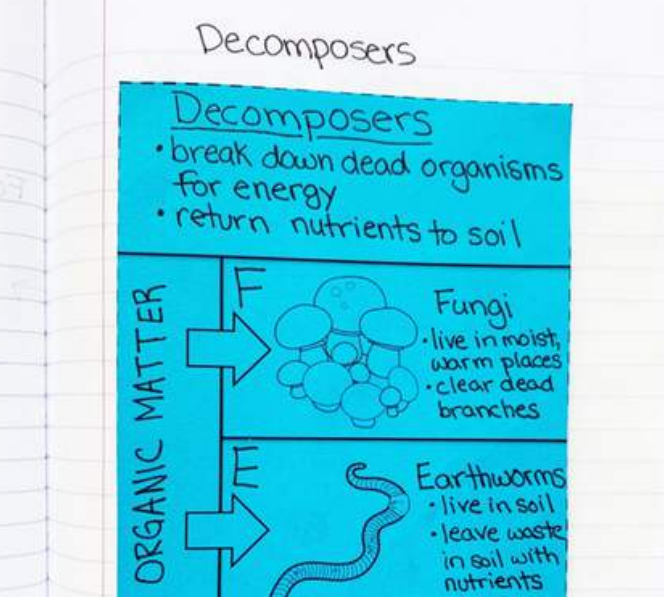
TOOLS & SKILLS





30 TIME-SAVING TEMPLATES

The Science Penguin

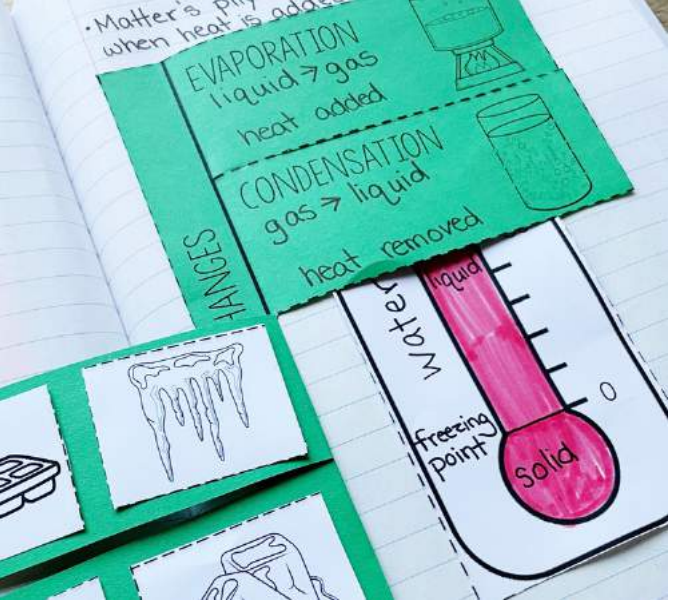


PLANTS
LIFE CYCLES
ECOSYSTEMS
TRAITS & BEHAVIORS
ADAPTATIONS
HUMAN BODY

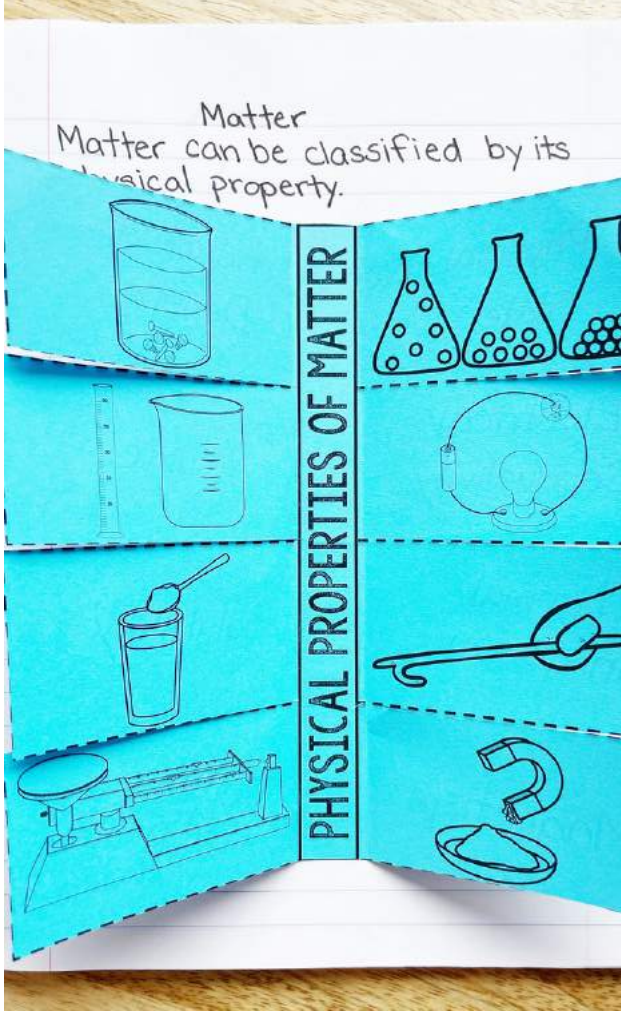
LIFE

62
TIME-SAVING
TEMPLATES

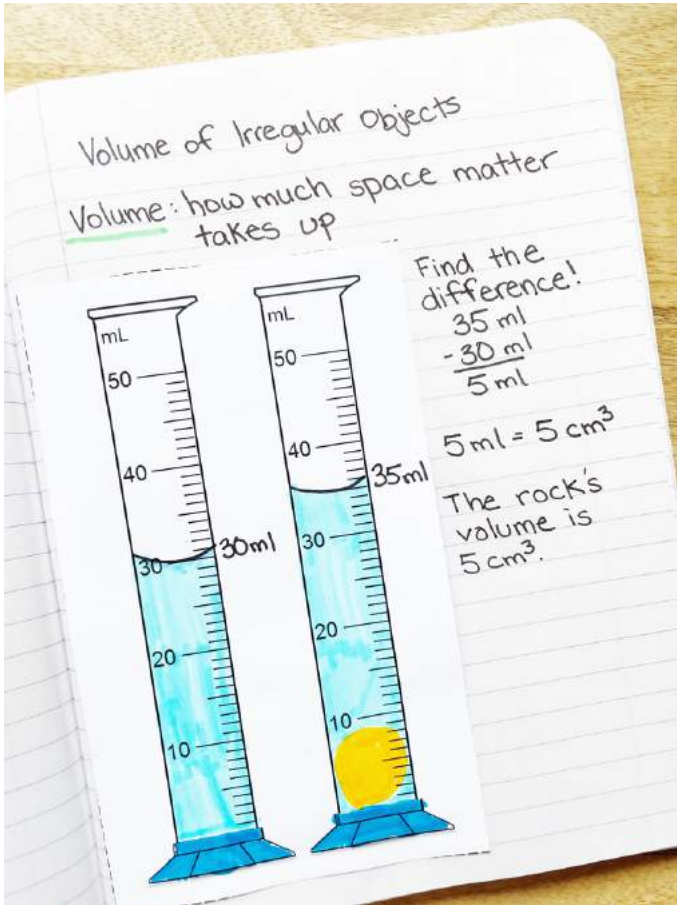
THE SCIENCE PENGUIN

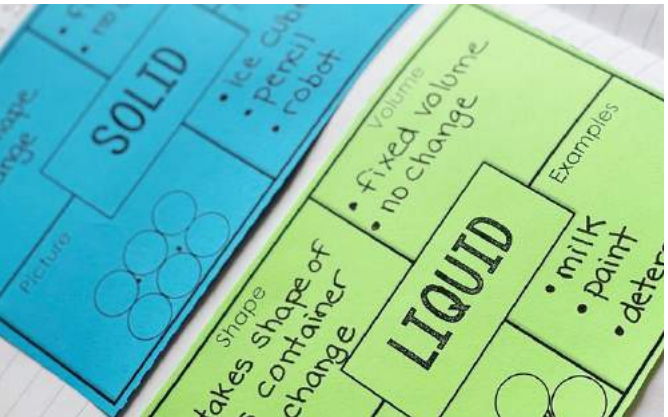


PHYSICAL PROPERTIES
STATES OF MATTER
CHANGES TO MATTER
MIXTURES
ELEMENTS



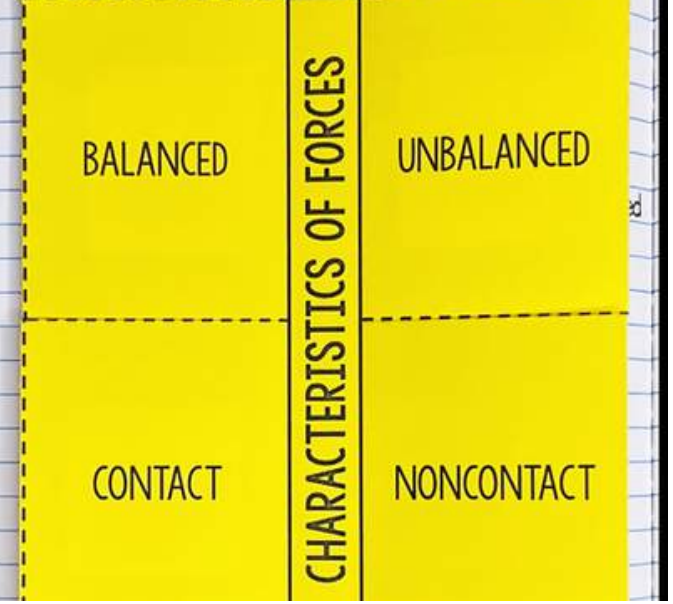
MATTER



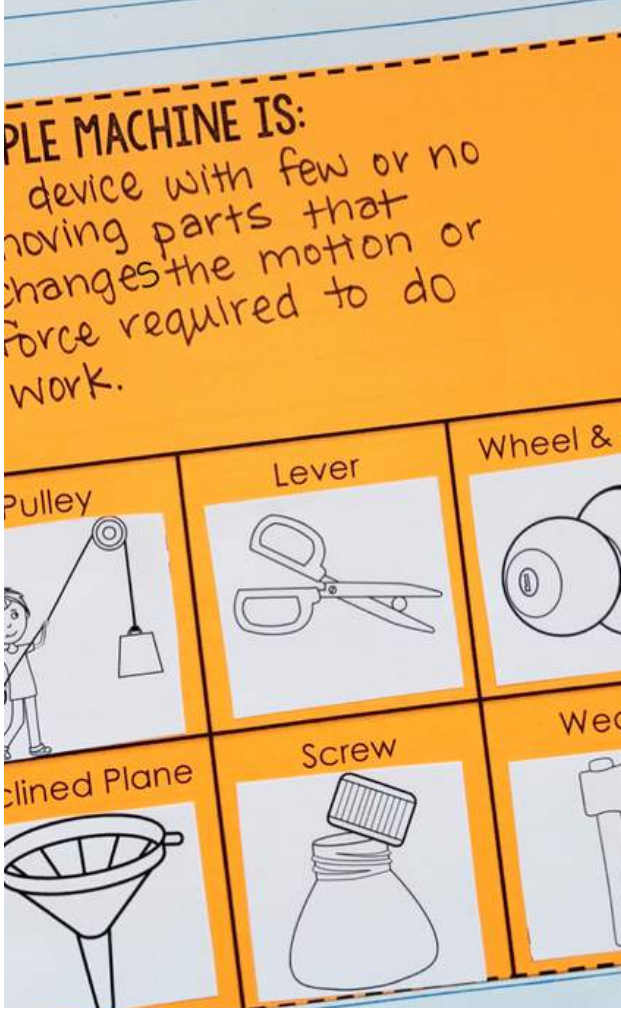


25
TIME-SAVING
TEMPLATES

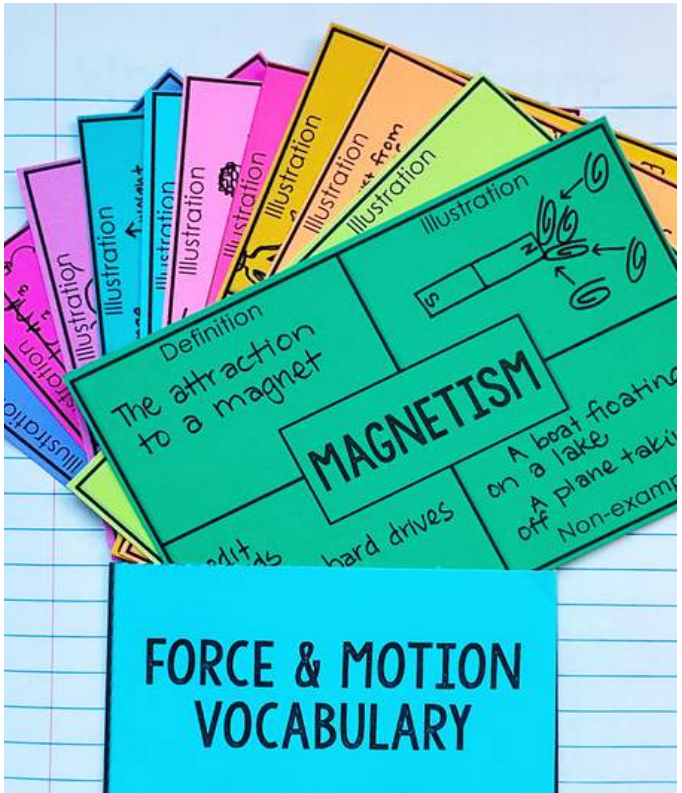
The Science Penguin

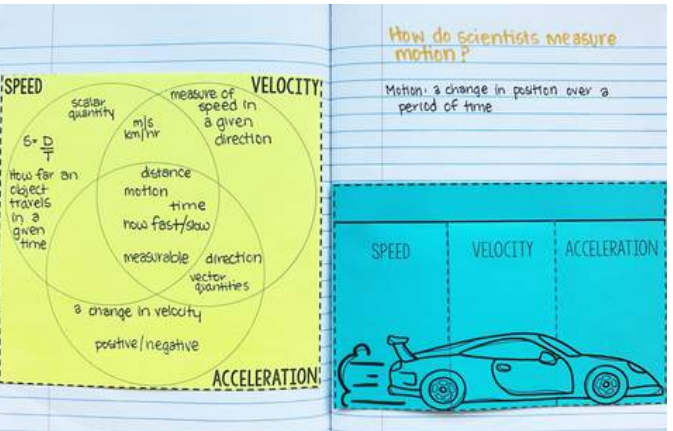


FORCES
PATTERNS OF MOTION
SIMPLE MACHINES
FRICTION
MAGNETISM
GRAVITY
NEWTON'S LAWS



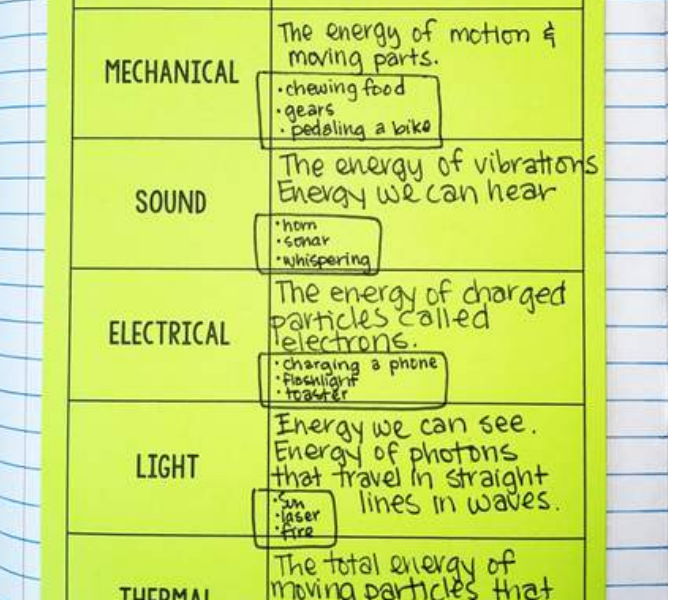
FORCE





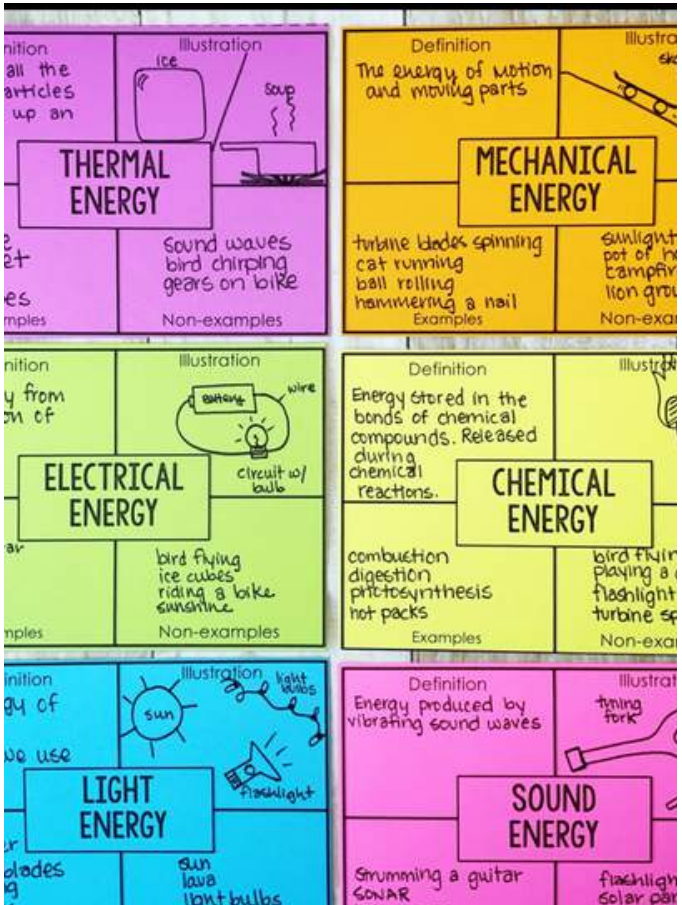
17
TIME-SAVING
TEMPLATES

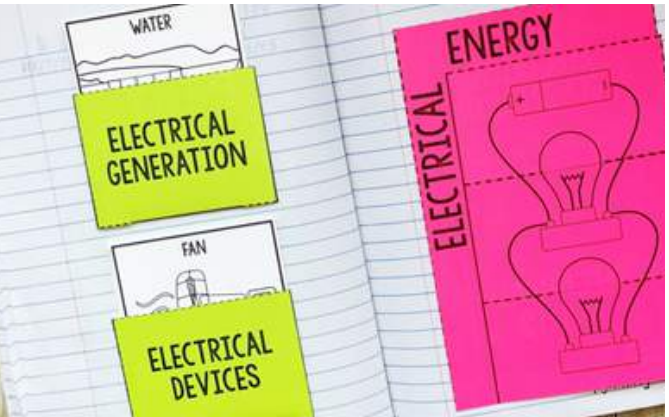
The Science Penguin



USES OF ENERGY
TRANSFORMATION
WORK
COLLISIONS
CIRCUITS
LIGHT

ENERGY





33
TIME-SAVING
TEMPLATES

The Science Penguin

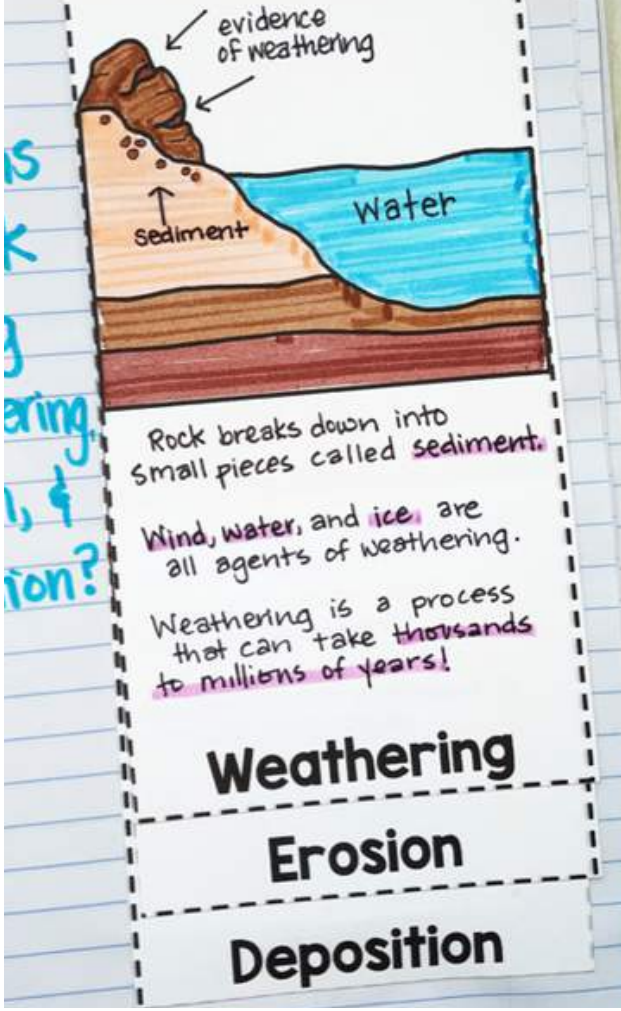
microorganisms over millions of years.

Natural Gas: a gaseous energy resource tha forms near oil deposits

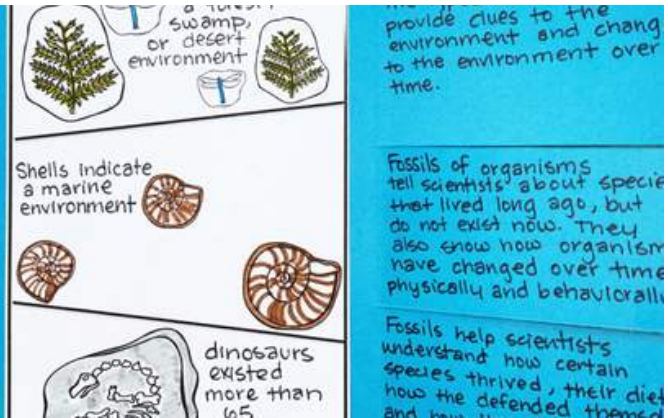
Fossil Fuel: A source of energy that form over millions of years from ancient plants and microorganisms.

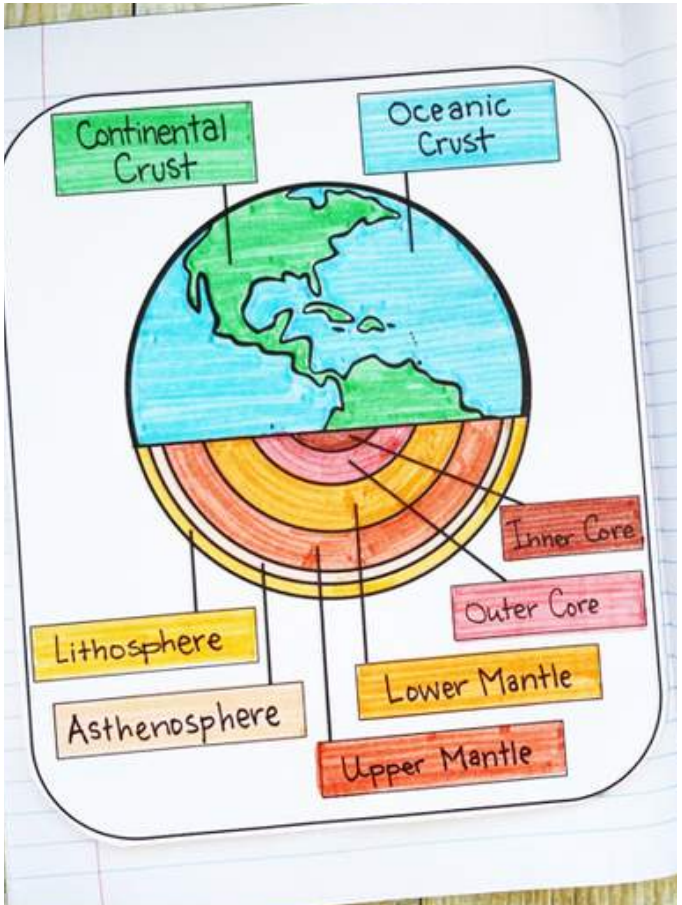
FORMATION OF OIL & NATURAL GAS

EARTH'S SYSTEMS
WEATHER & CLIMATE
WATER CYCLE
EARTH'S CHANGES
NATURAL RESOURCES
ROCKS & SOIL



EARTH

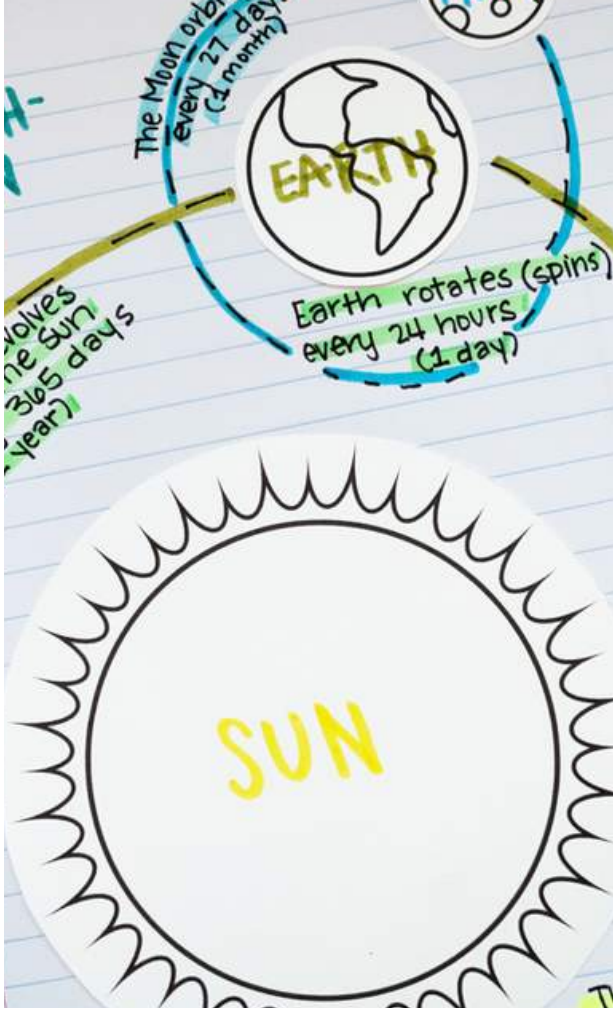




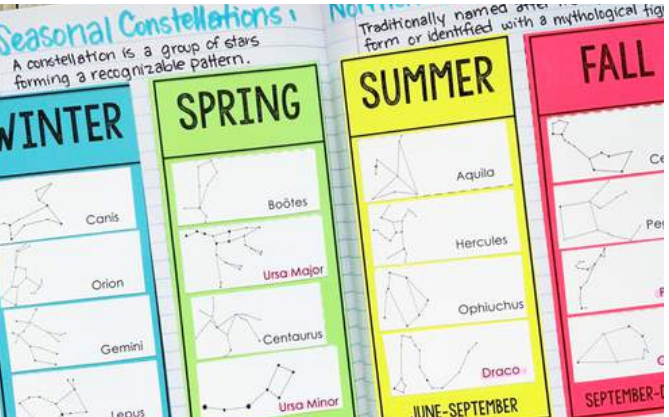
58
TIME-SAVING
TEMPLATES

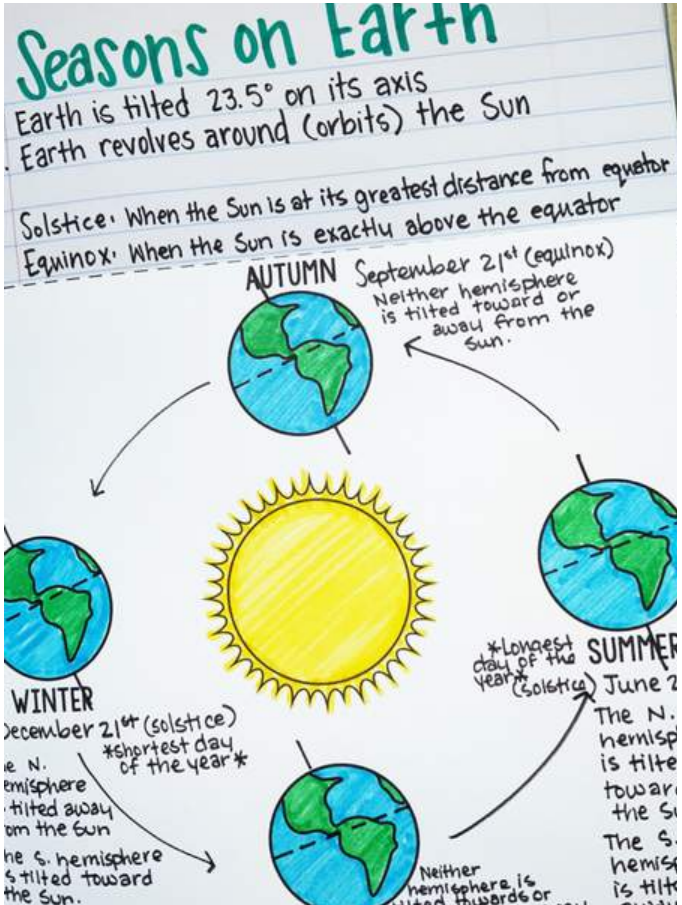
The Science Penguin

PLANETS
SUN-EARTH-MOON
LUNAR CYCLE
DAY & NIGHT
SEASONS
TIDES



SPACE

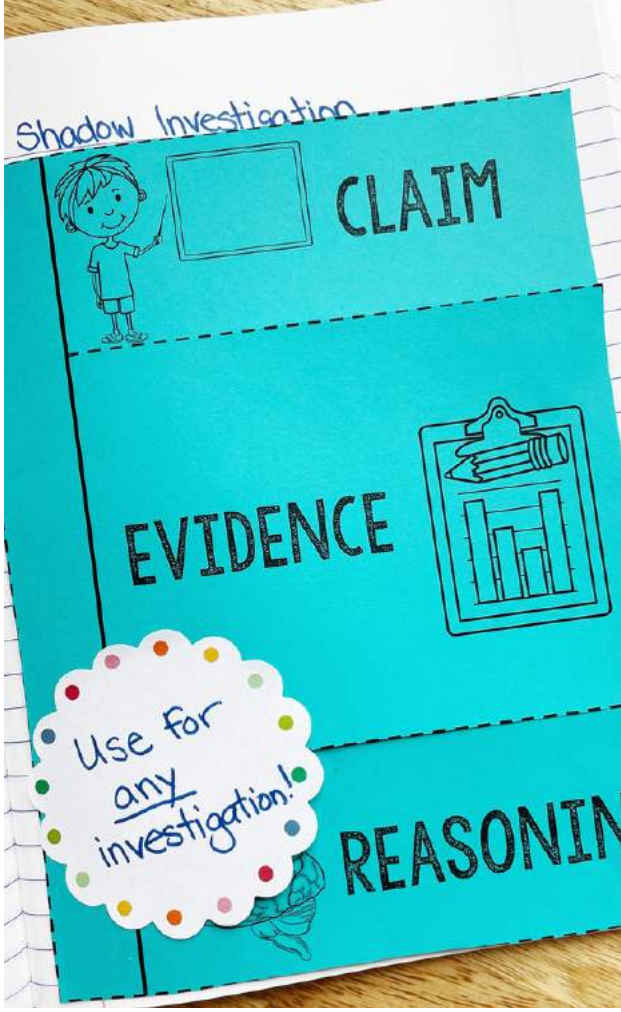




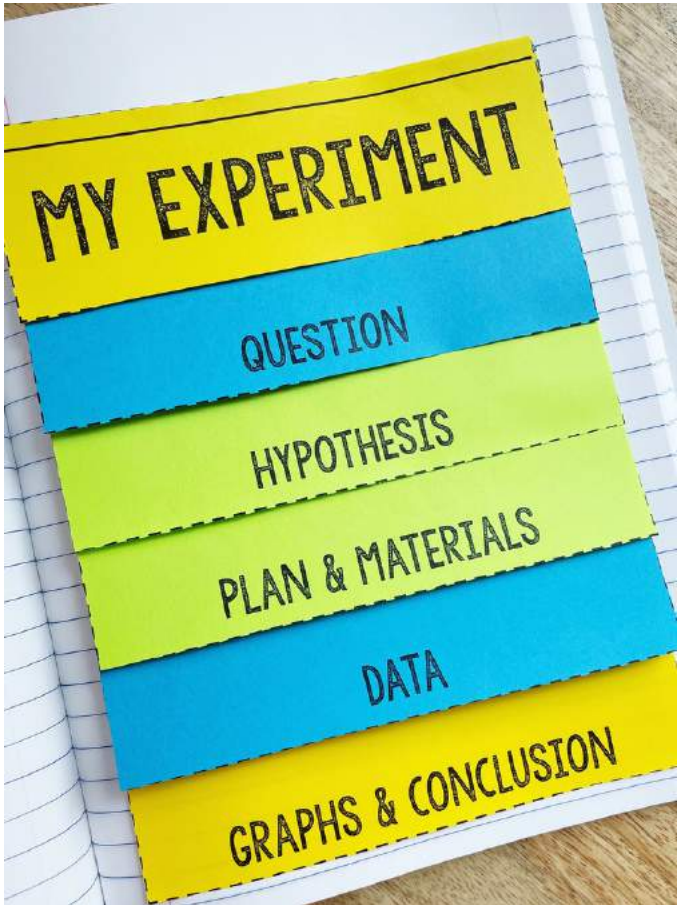
18 TIME-SAVING TEMPLATES

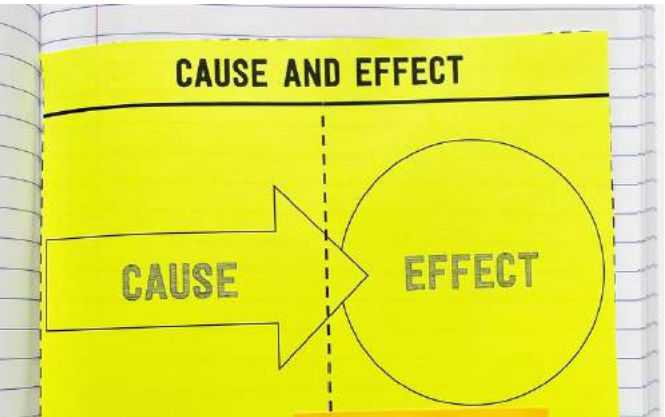
The Science Penguin

SCIENTIFIC METHOD
C-E-R
CAUSE & EFFECT
OBSERVATIONS
COLLECTING DATA
BLANK TEMPLATES



ALL-AROUND





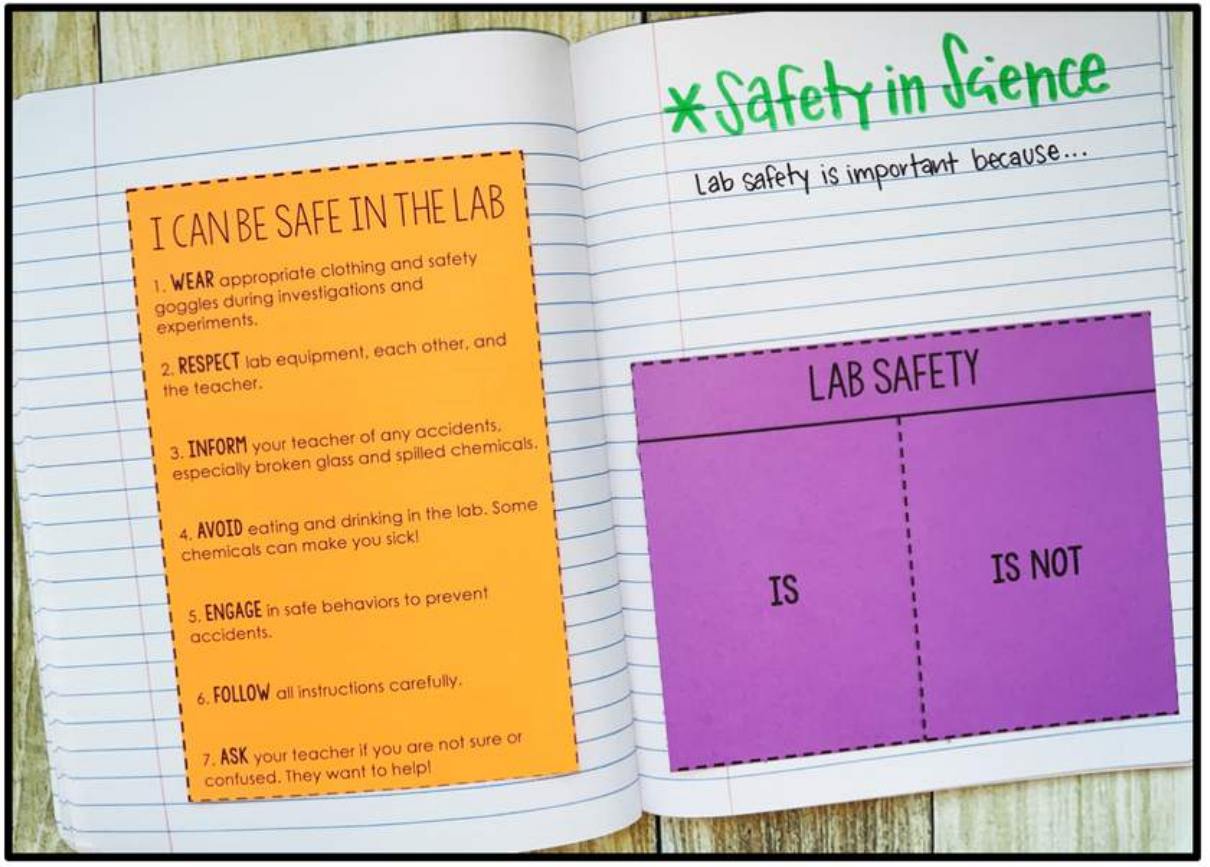
23 TIME-SAVING TEMPLATES

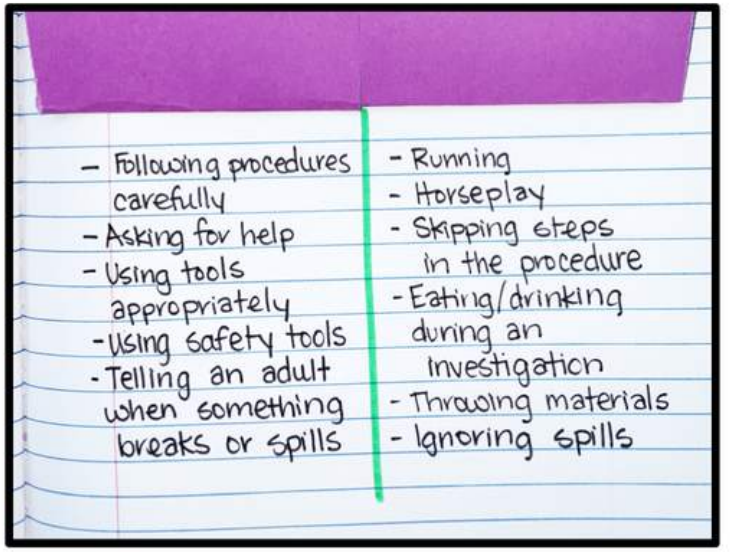
The Science Penguin

LAB SAFETY

IDEAS:

- Glue rules into science notebook
- Discuss each rule, including consequences of broken rules
- Have students draw themselves being safe in the lab. Use labels to indicate how they are being safe.
- Pair with Lab Safety Is/Is Not and classify actions as safe and unsafe
- Have students choose one rule and explain why it is important to follow





LAB SAFETY

I CAN BE SAFE IN THE LAB

1. **WEAR** appropriate clothing and safety goggles during investigations and experiments.

2. **RESPECT** lab equipment, each other, and the teacher.

3. **INFORM** your teacher of any accidents, especially broken glass and spilled chemicals.

4. **AVOID** eating and drinking in the lab. Some chemicals can make you sick!

5. **ENGAGE** in safe behaviors to prevent accidents.

6. **FOLLOW** all instructions carefully.

7. **ASK** your teacher if you are not sure or confused. They want to help!

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Flat Page

LAB SAFETY

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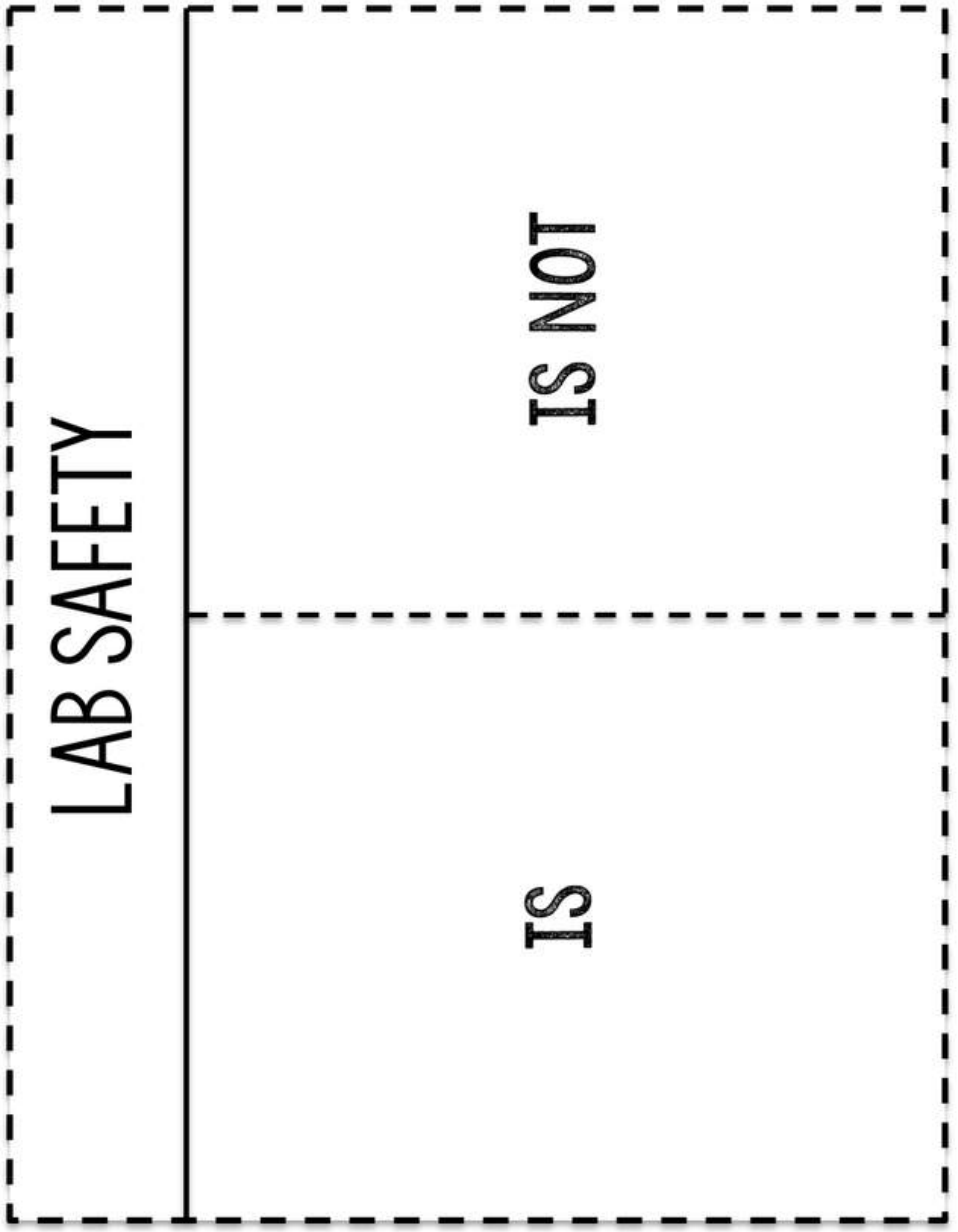
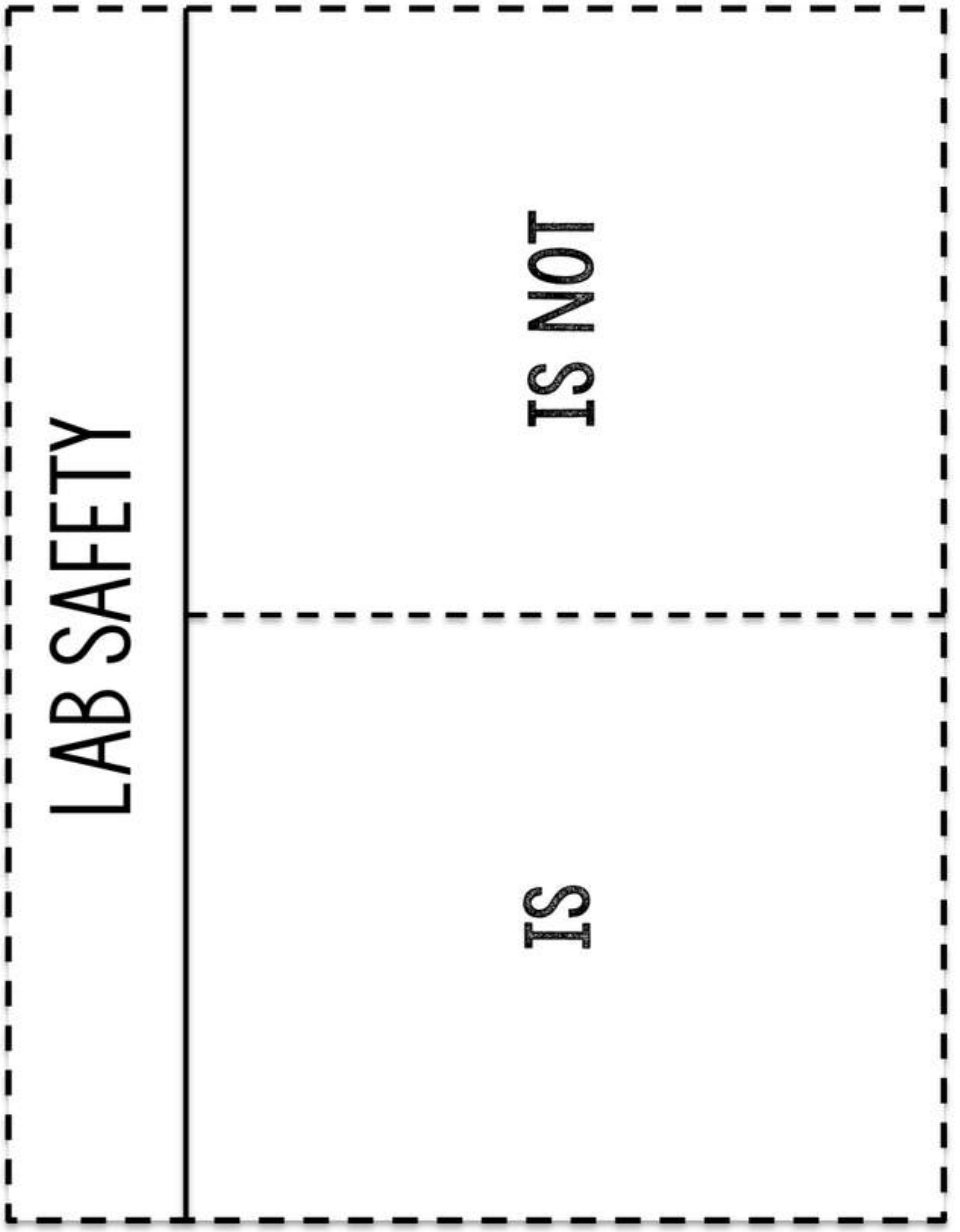


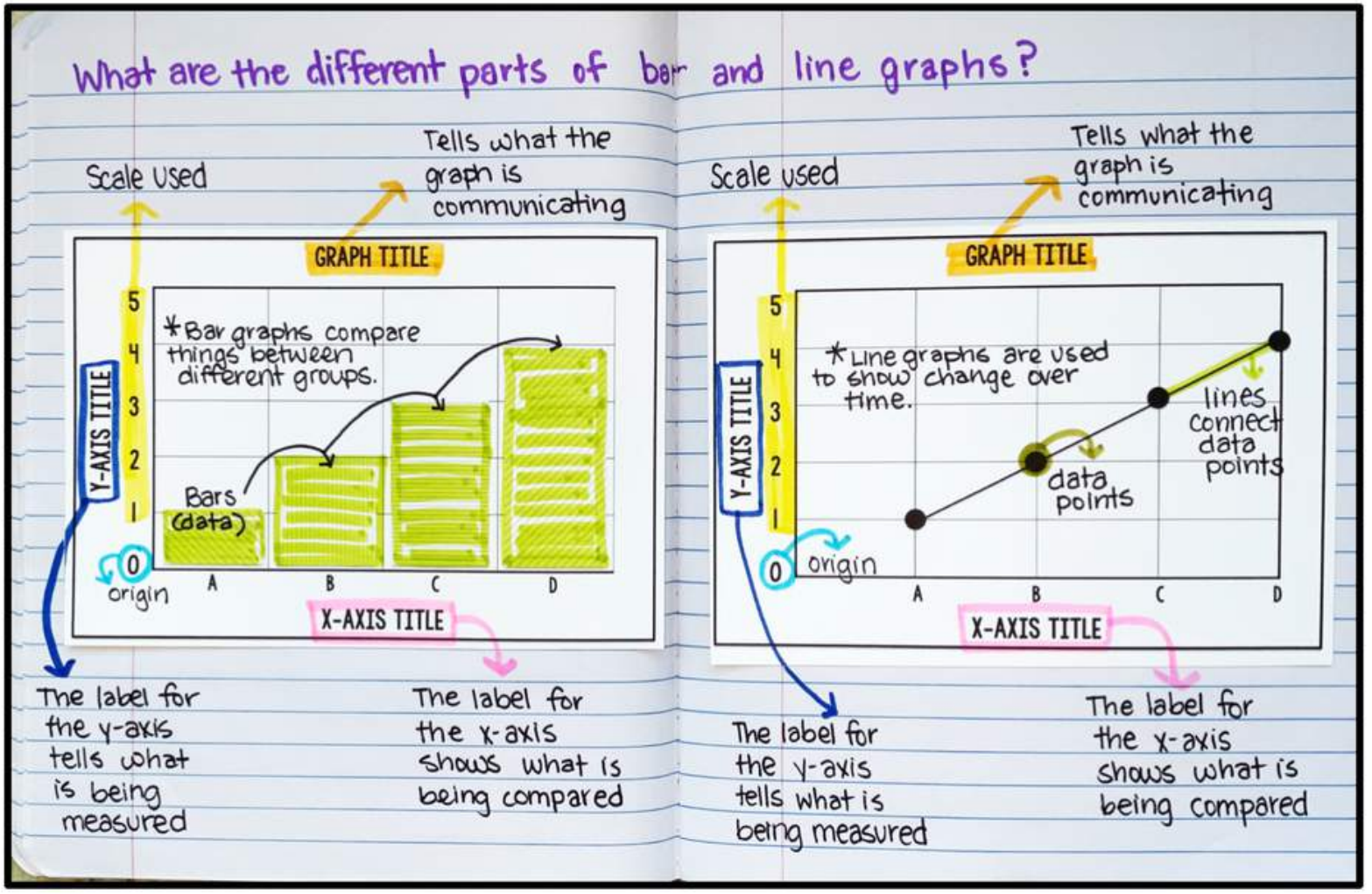


Fold-up

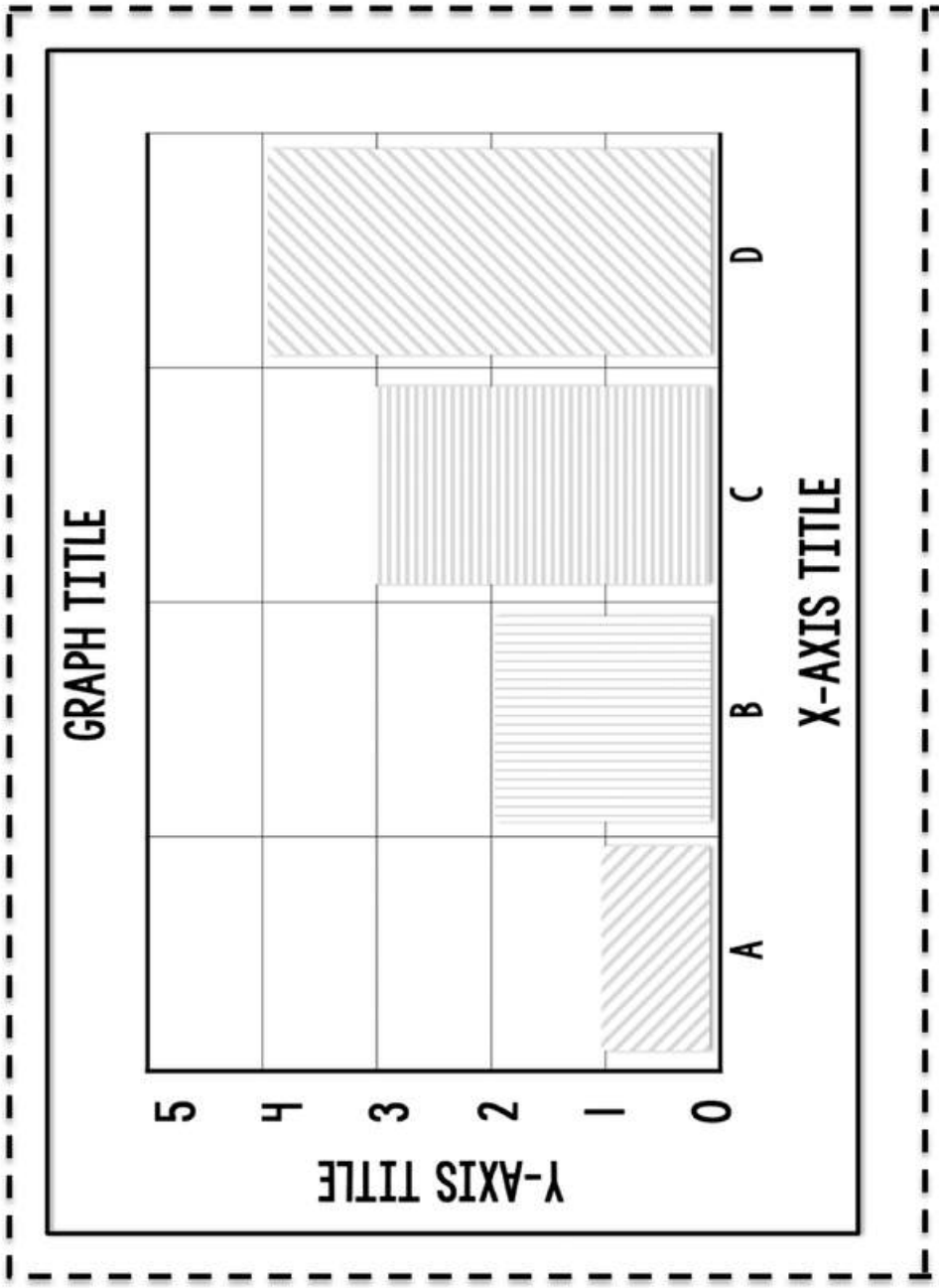
PARTS OF A GRAPH

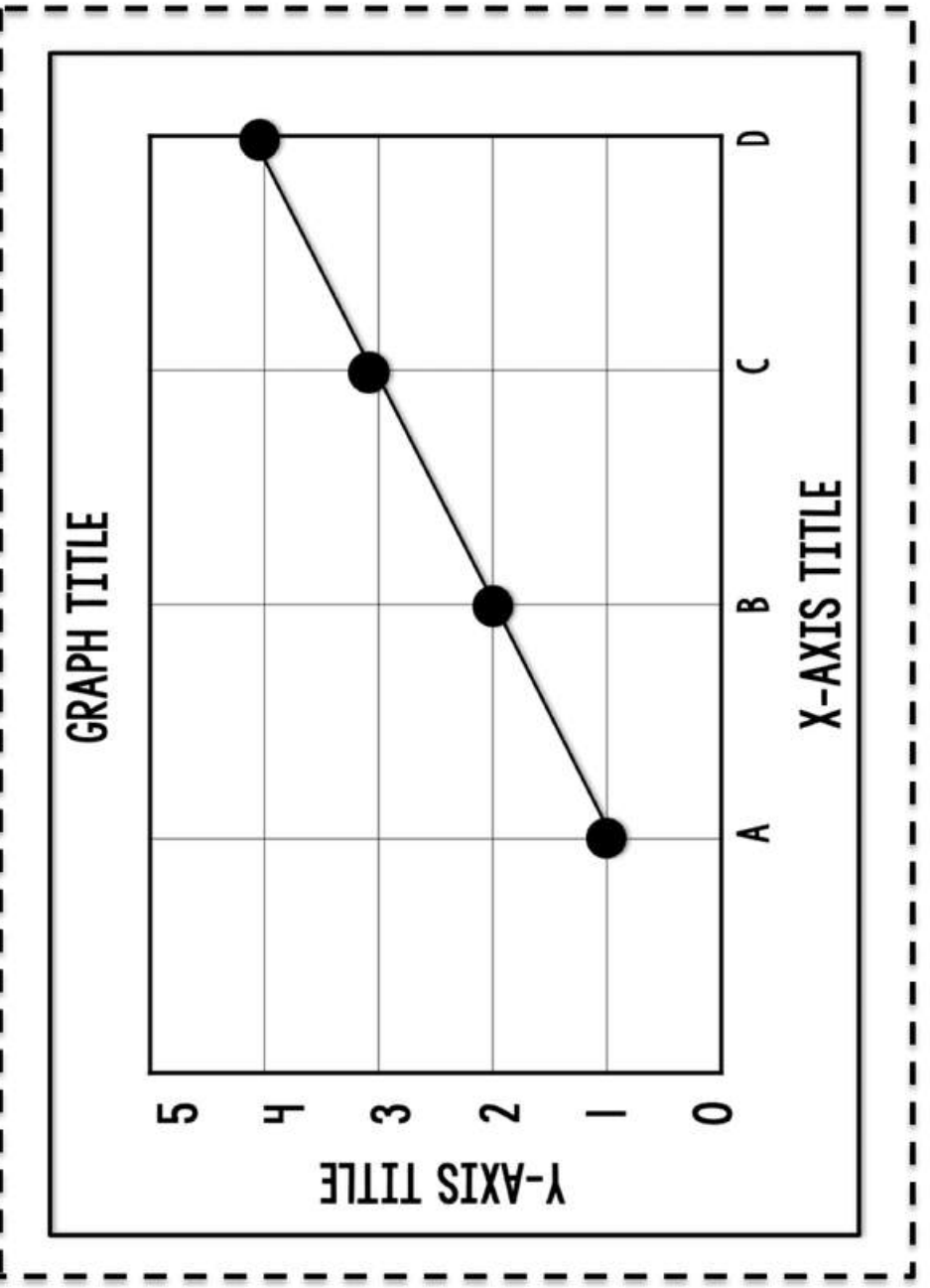
IDEAS:

- Includes bar graph and line graph
- Locate and label each part of the graph
- Compare and contrast bar graphs and line graphs



PARTS OF GRAPHS- BAR GRAPHS





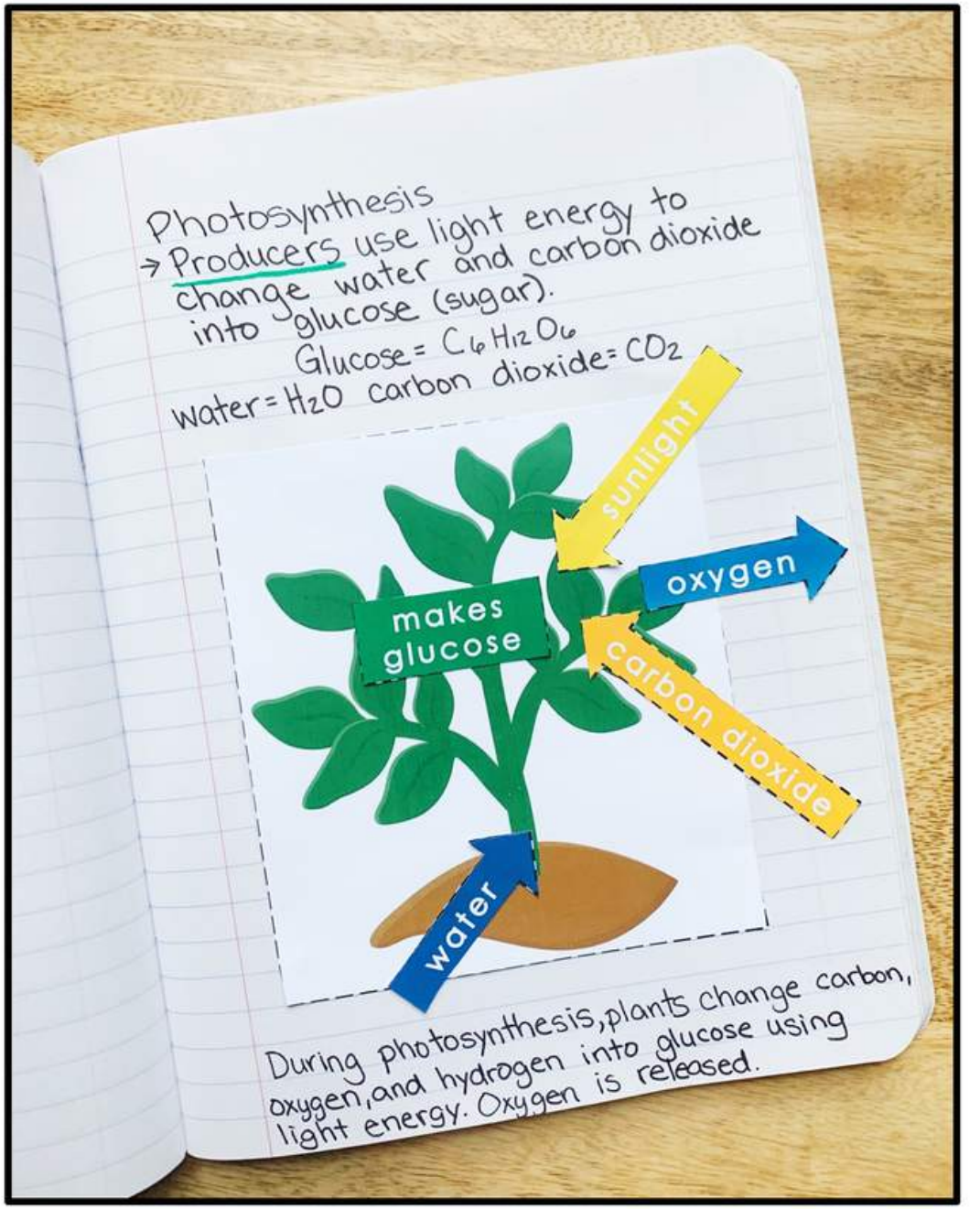
Flat Page

PHOTOSYNTHESIS

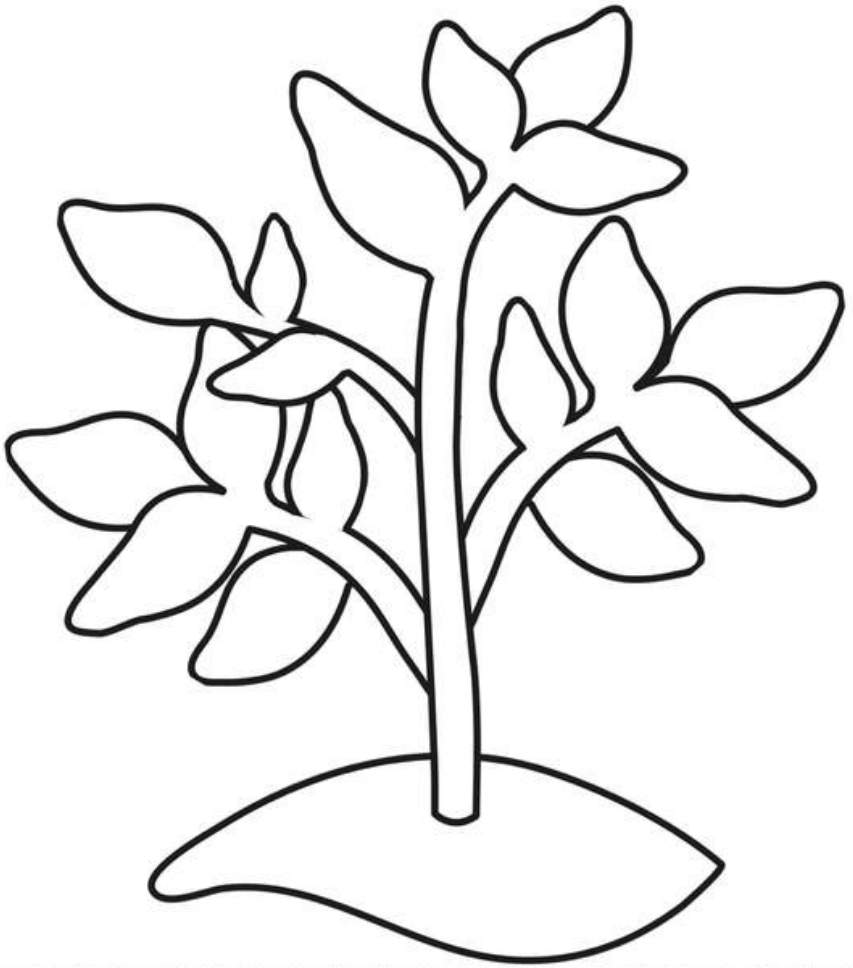
IDEAS:

- Choose cut-and-paste or flat page option
- Build a diagram that shows the process of photosynthesis
- Include the chemical formulas for water, carbon dioxide, oxygen, and perhaps glucose
- Describe how matter changes during photosynthesis

TWO OPTIONS AVAILABLE



PHOTOSYNTHESIS



oxygen

water

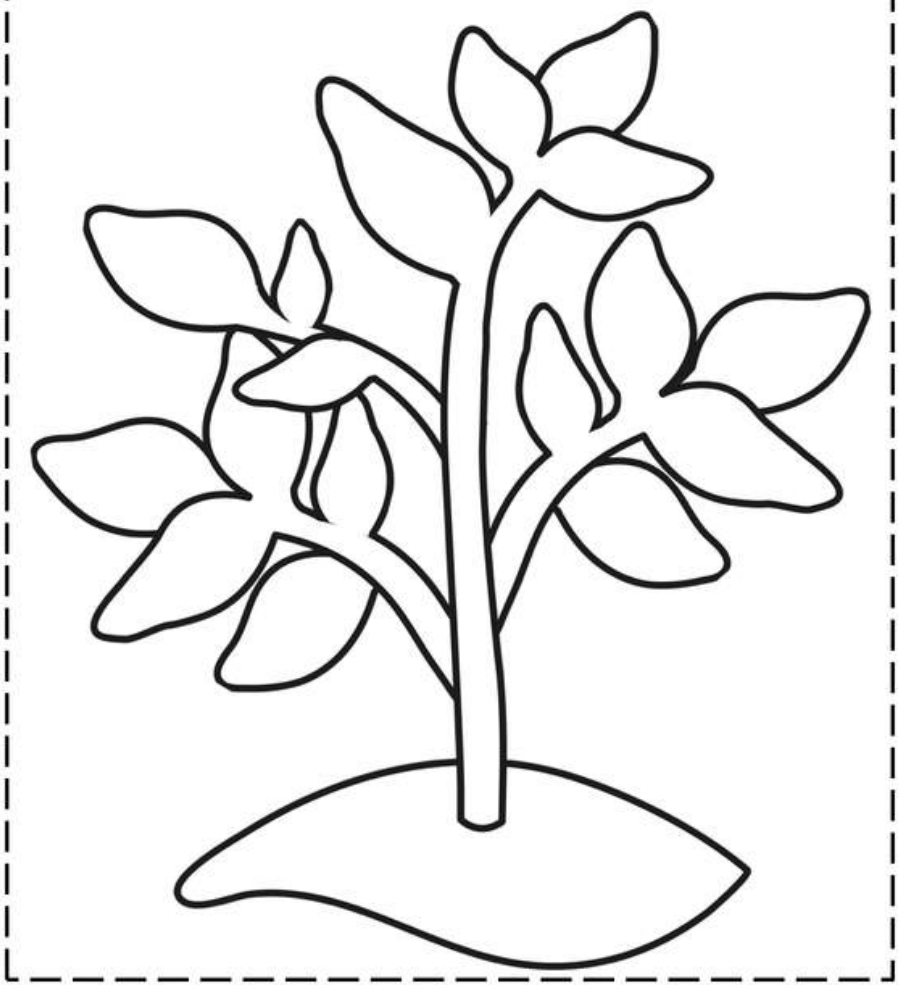
carbon dioxide

makes glucose

sunlight

Cut-and-paste Option

PHOTOSYNTHESIS



oxygen

water

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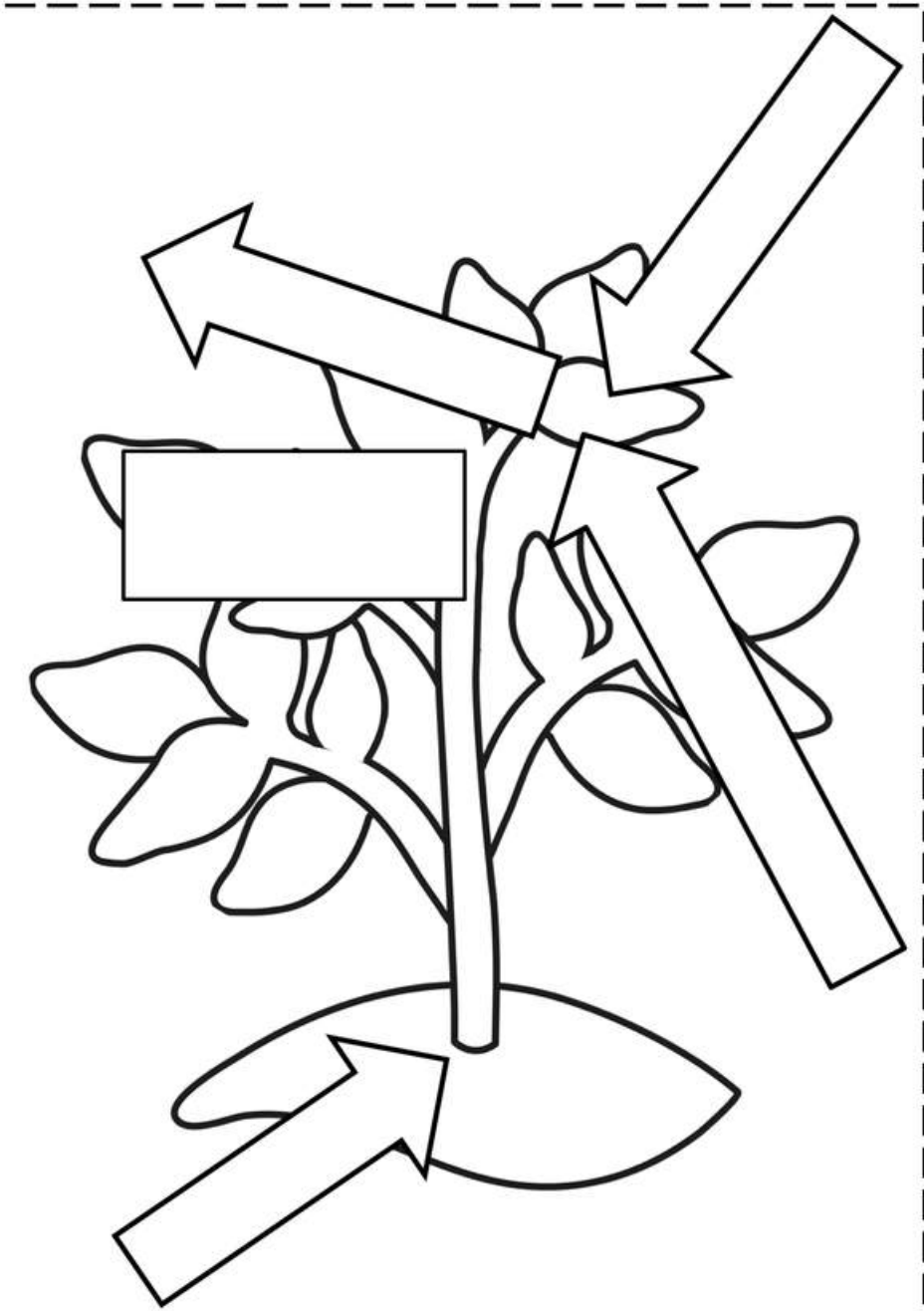
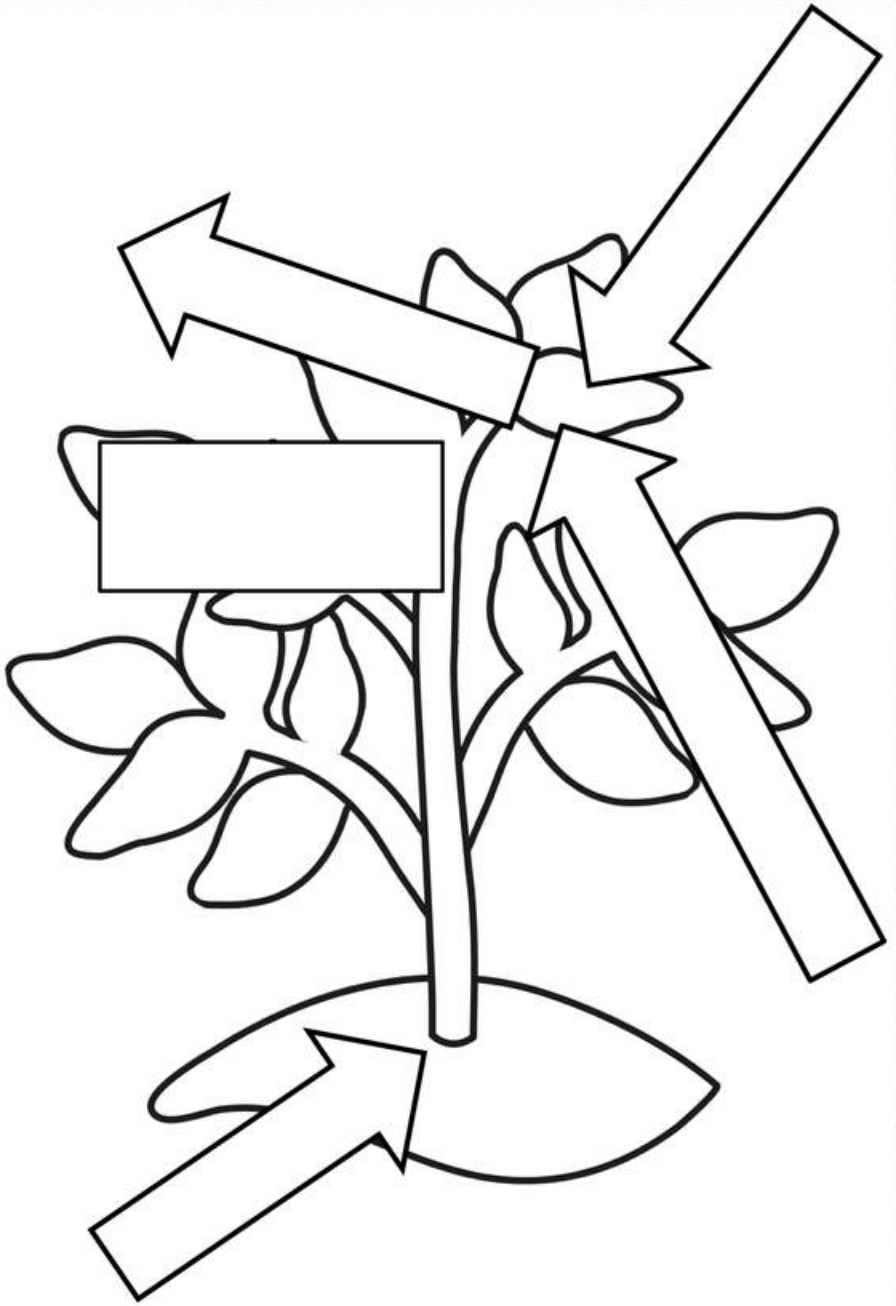
PHOTOSYNTHESIS



PHOTOSYNTHESIS

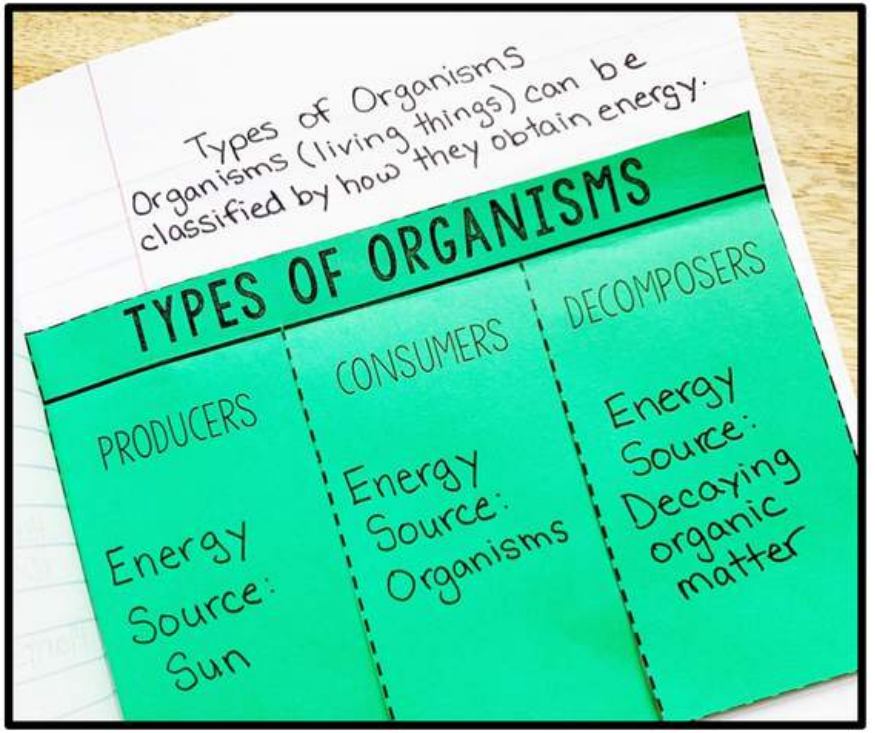


Flat Page Option

TYPES OF ORGANISMS

IDEAS:

- Instead of using the fold-up, draw a T-chart
- Define the terms
- Identify the source of energy for each type of organism
- Color the cards
- Sort the optional cards
- Compare and contrast consumers and producers



TYPES OF ORGANISMS

TYPES OF ORGANISMS

TYPES OF ORGANISMS

DECOMPOSERS

CONSUMERS

PRODUCERS

TYPES OF ORGANISMS

DECOMPOSERS

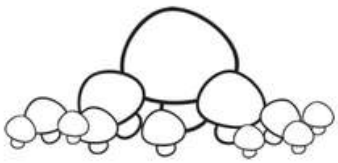
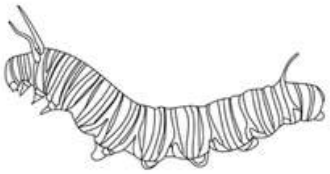
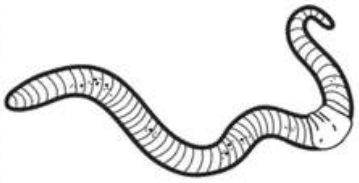
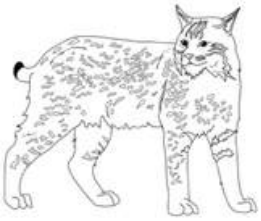
CONSUMERS

PRODUCERS

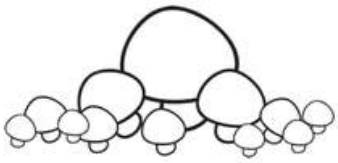
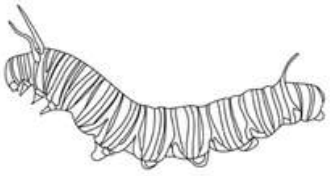
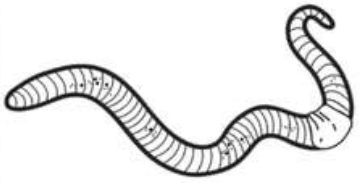
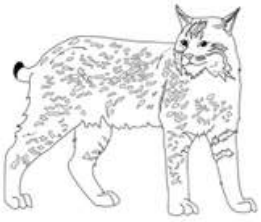
Fold-up

Optional Cards

ORGANISM CARDS

Mushrooms 	Caterpillar 	Bacteria 
Algae 	Earthworm 	Oak leaves 
Cactus wren 	Bobcat 	Pine tree 

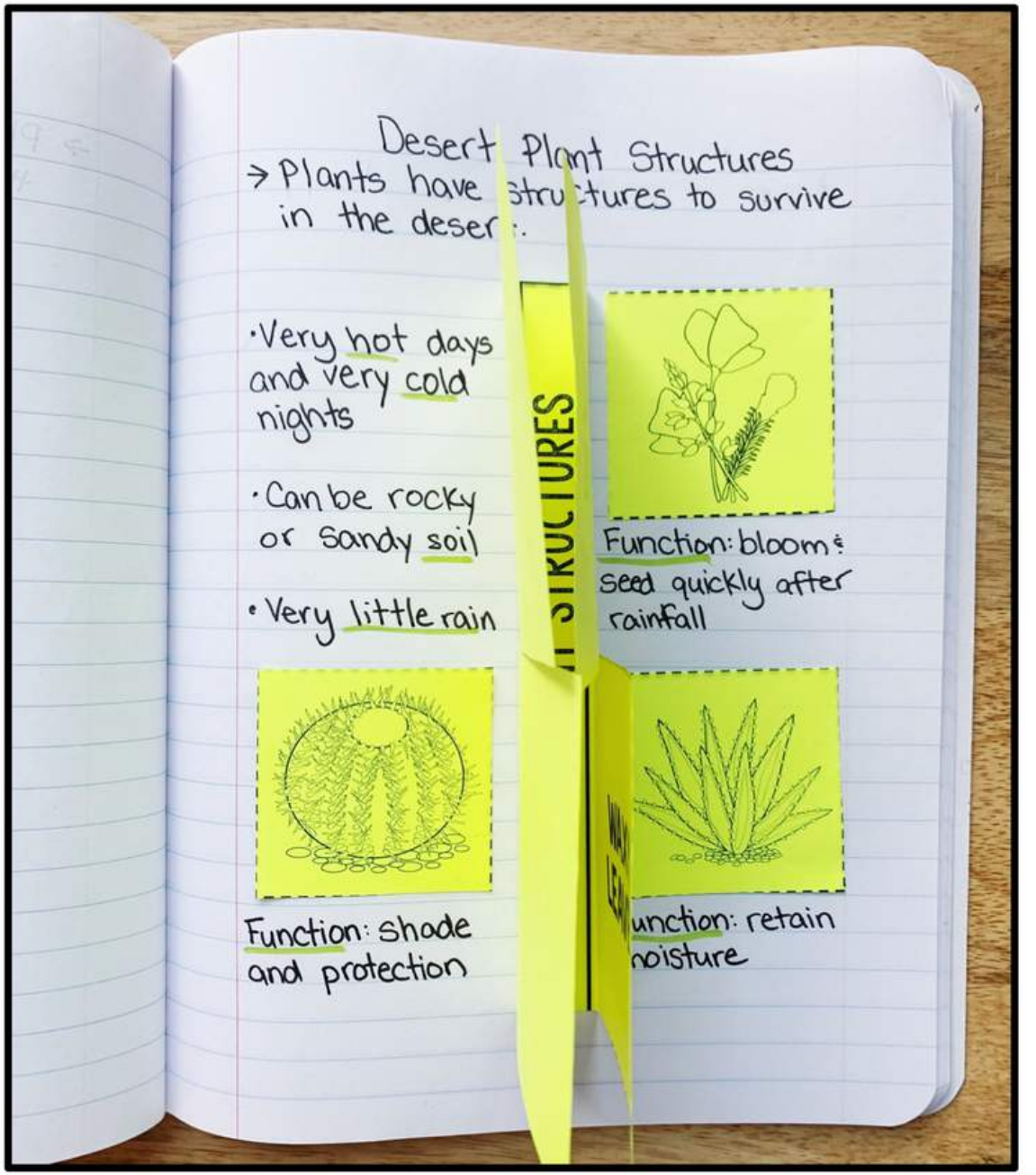
ORGANISM CARDS

Mushrooms 	Caterpillar 	Bacteria 
Algae 	Earthworm 	Oak leaves 
Cactus wren 	Bobcat 	Pine tree 

DESERT PLANT STRUCTURES

IDEAS:

- Describe the desert environment
- Describe the function of each plant structure
- List adaptations found on cacti that help them survive a lack of rainfall (spines prevent animals from taking water, deep roots for groundwater, long, shallow roots to access surface water, dormancy, fleshy stems to store water, waxy leaves to prevent water loss)



DESERT PLANT STRUCTURES & FUNCTIONS

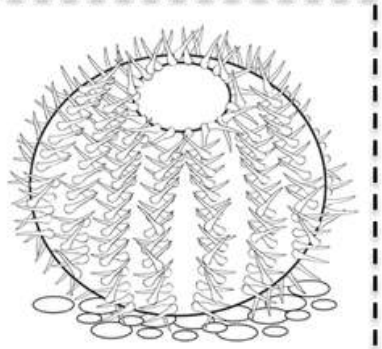
ENVIRONMENT

DESERT PLANT STRUCTURES

ANNUAL FLOWERS

SPINES

WAXY LEAVES

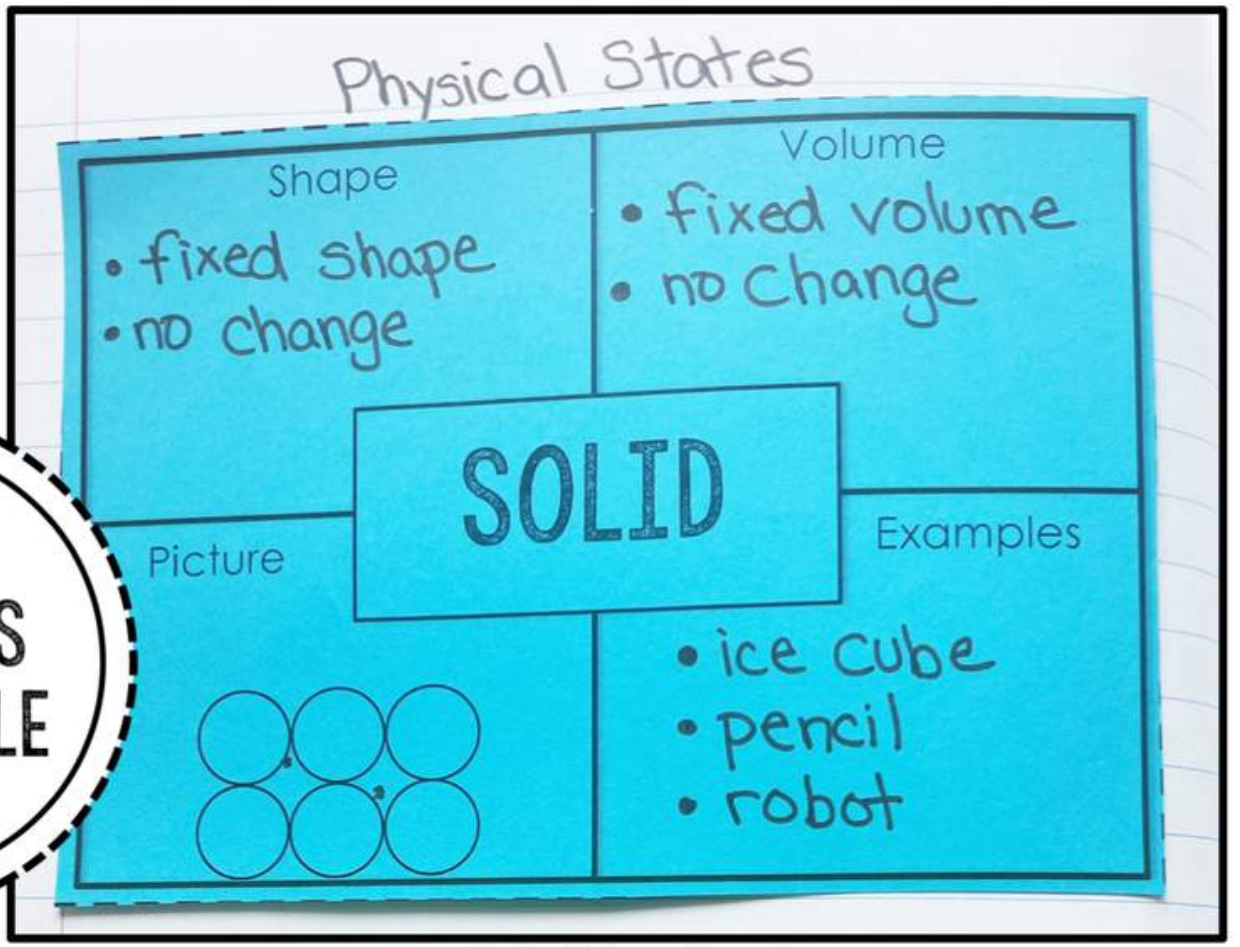


Fold-up

SOLIDS

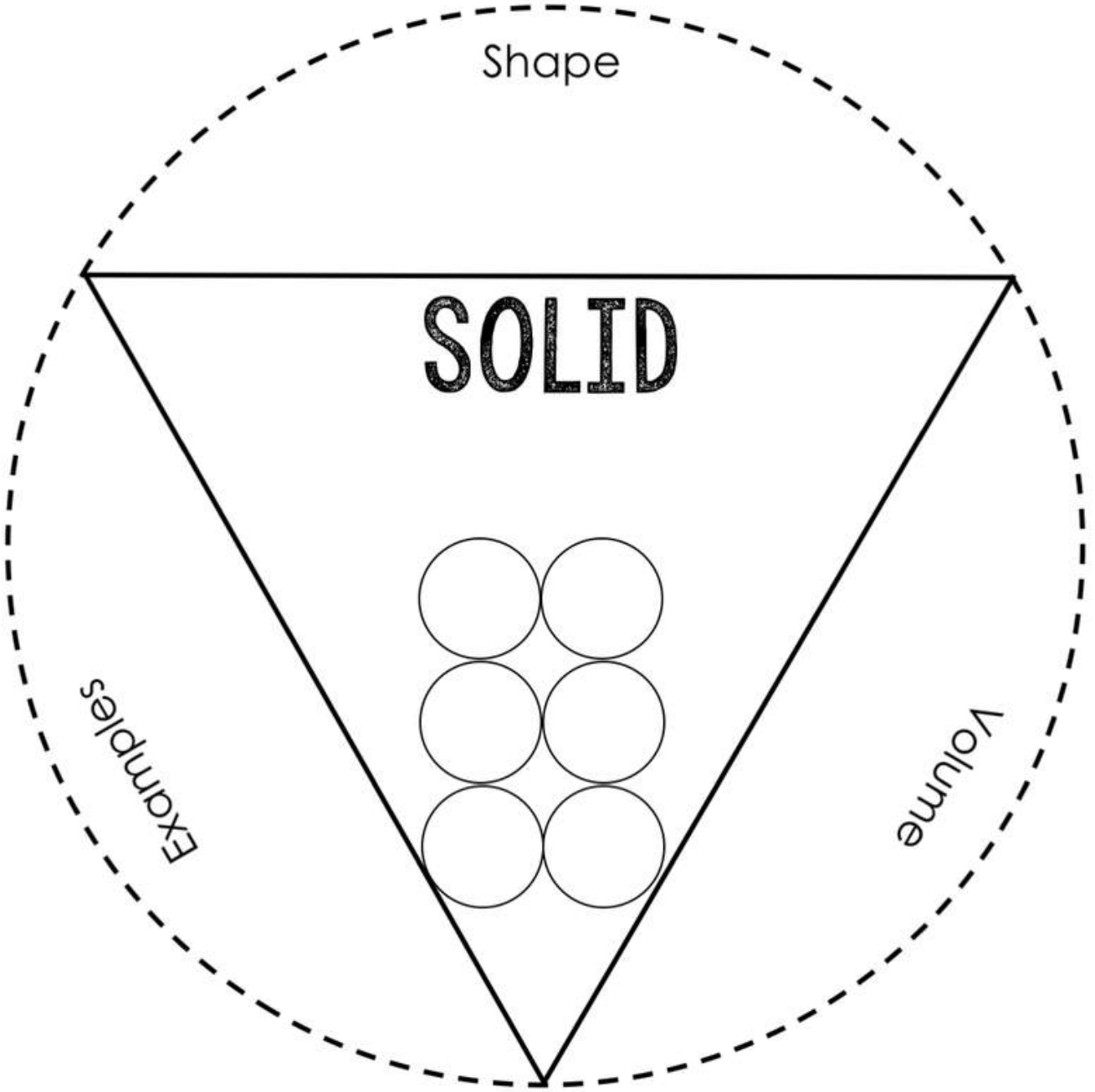
IDEAS:

- Choose either the fold-up template or flat template
- Describe a solid's shape and volume
- List examples
- Draw arrows to show the movement of particles in a solid
- Explain why ice is a solid and liquid water is not a solid



TWO OPTIONS AVAILABLE

SOLIDS



Fold-up Option

SOLIDS

Shape

Picture

SOLID

Volume

Examples

SOLIDS

Shape

Picture

SOLID

Volume

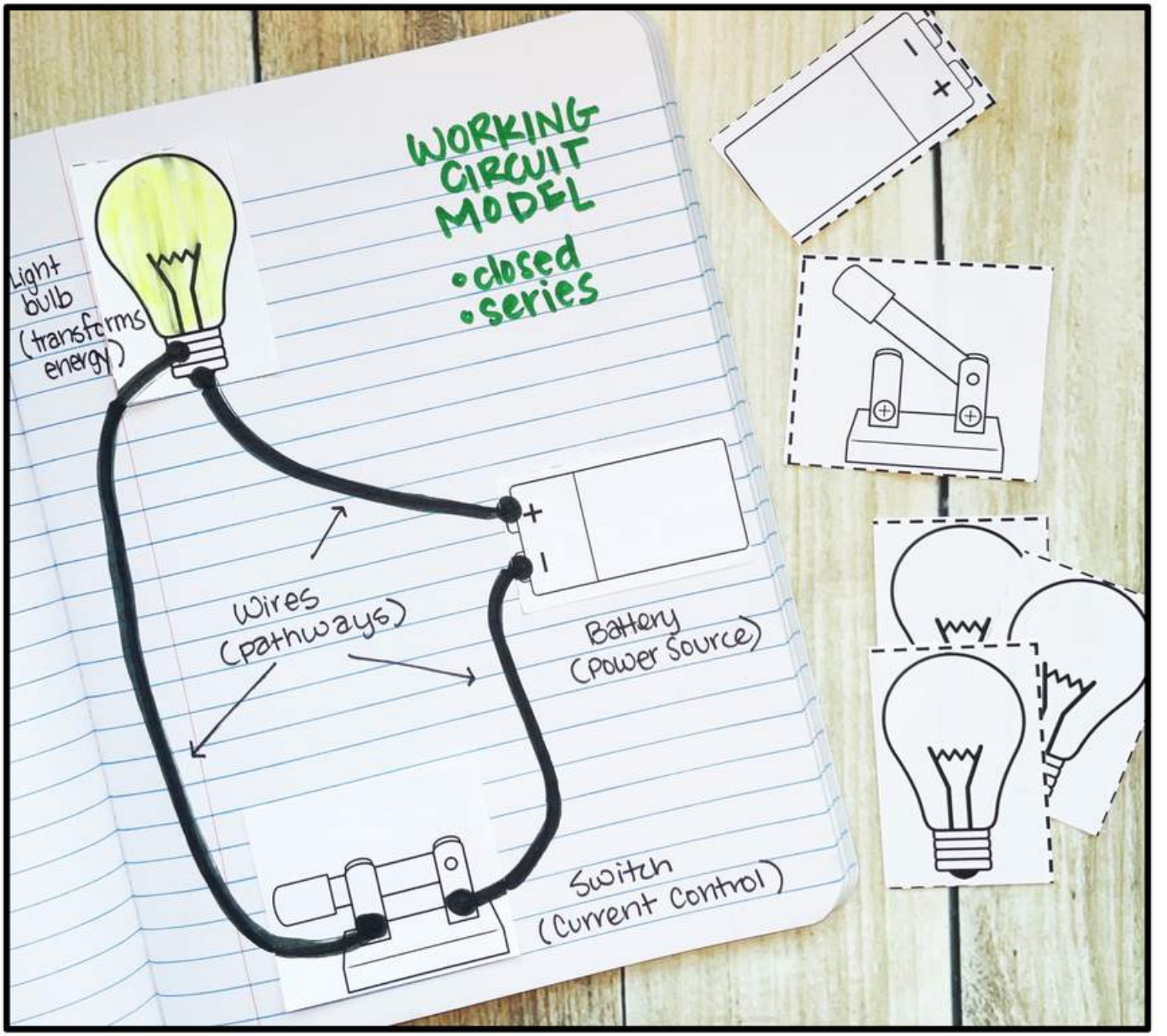
Examples

Flat Page Option

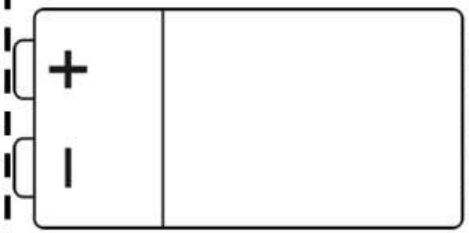
BUILD YOUR OWN CIRCUIT MODEL

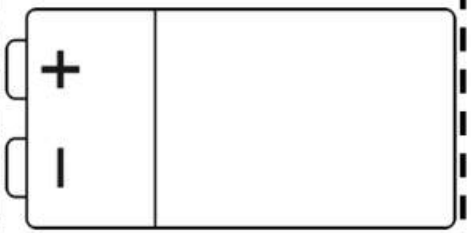
IDEAS:

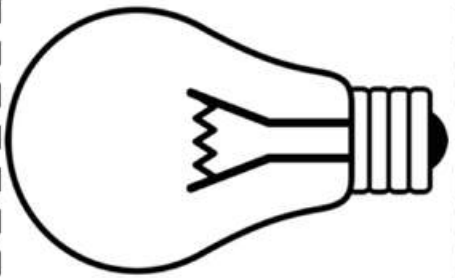
- Cut out the batteries, bulbs, and switches.
- Use pencil lines, yarn, string, or other materials to model the wire
- Try building the following circuits: open, closed, series, and parallel

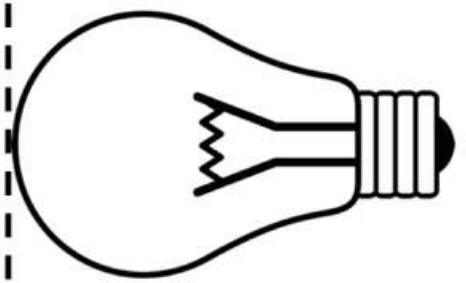


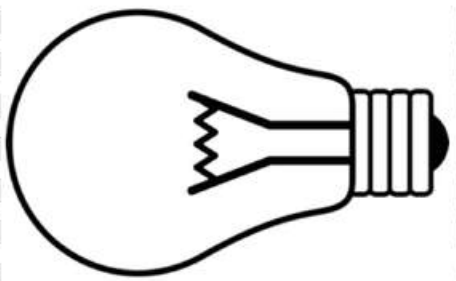
BUILD A CIRCUIT

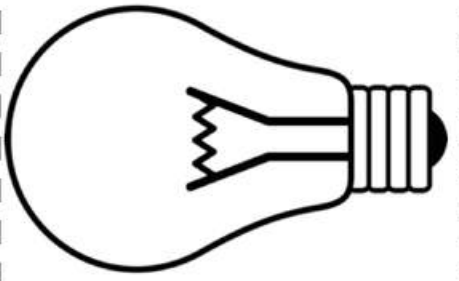


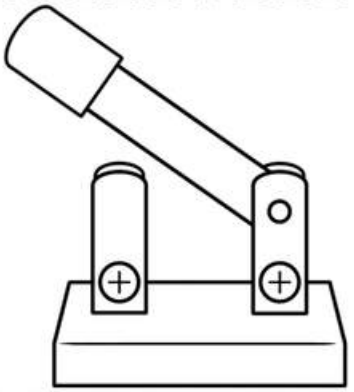


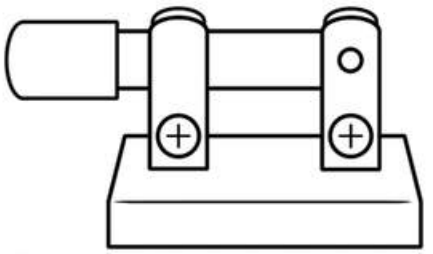




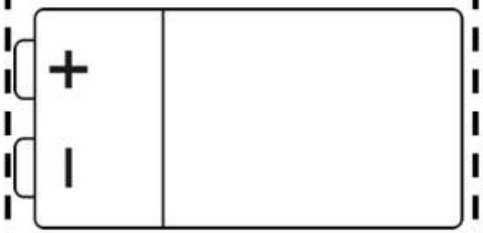


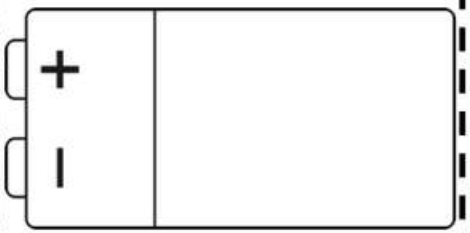


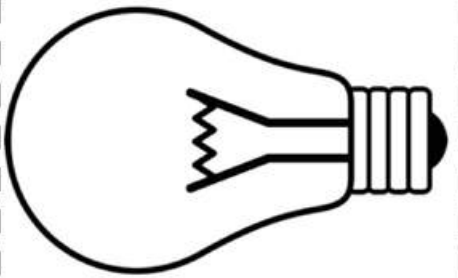


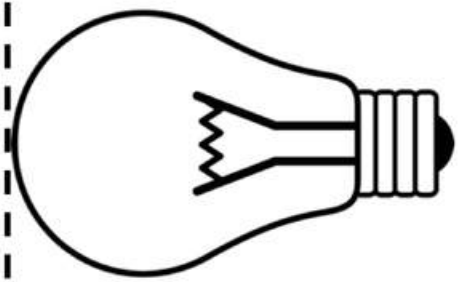


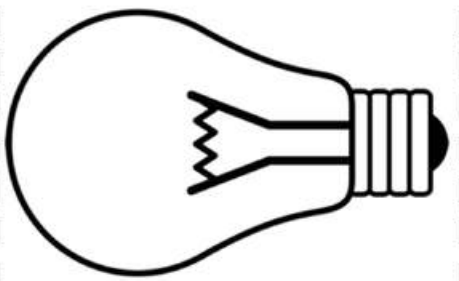
BUILD A CIRCUIT

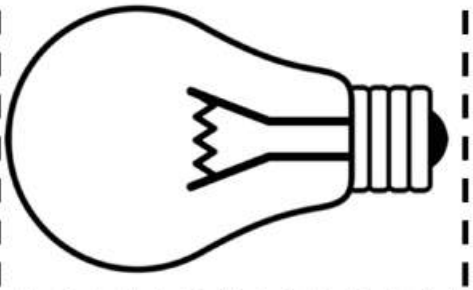


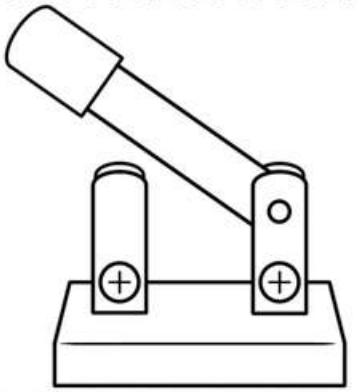


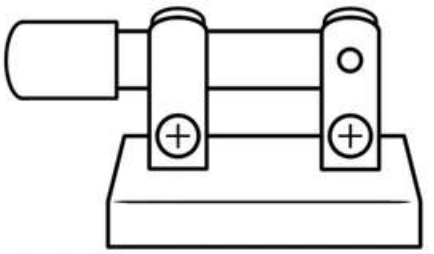








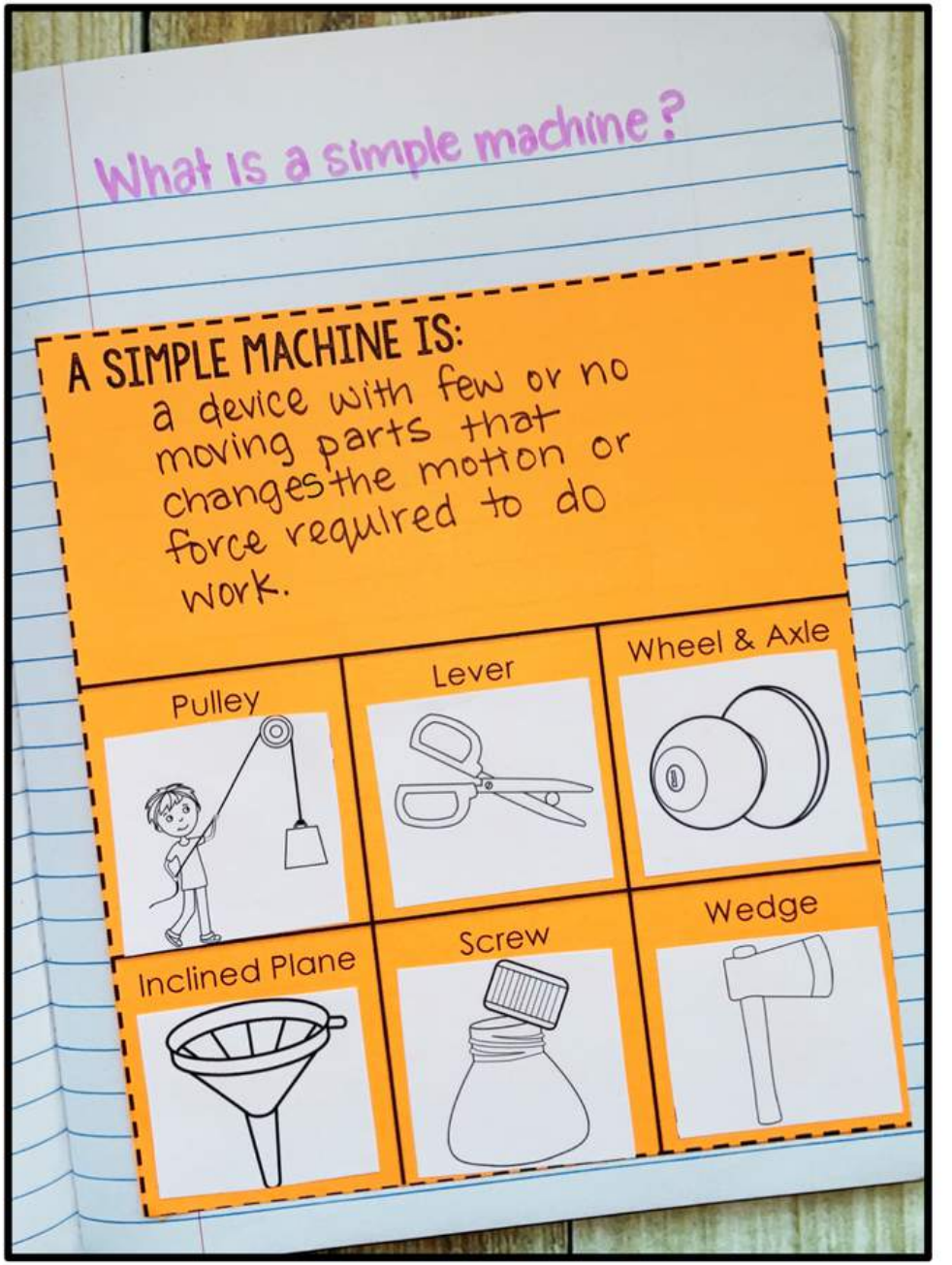




WHAT IS A SIMPLE MACHINE?

IDEAS:

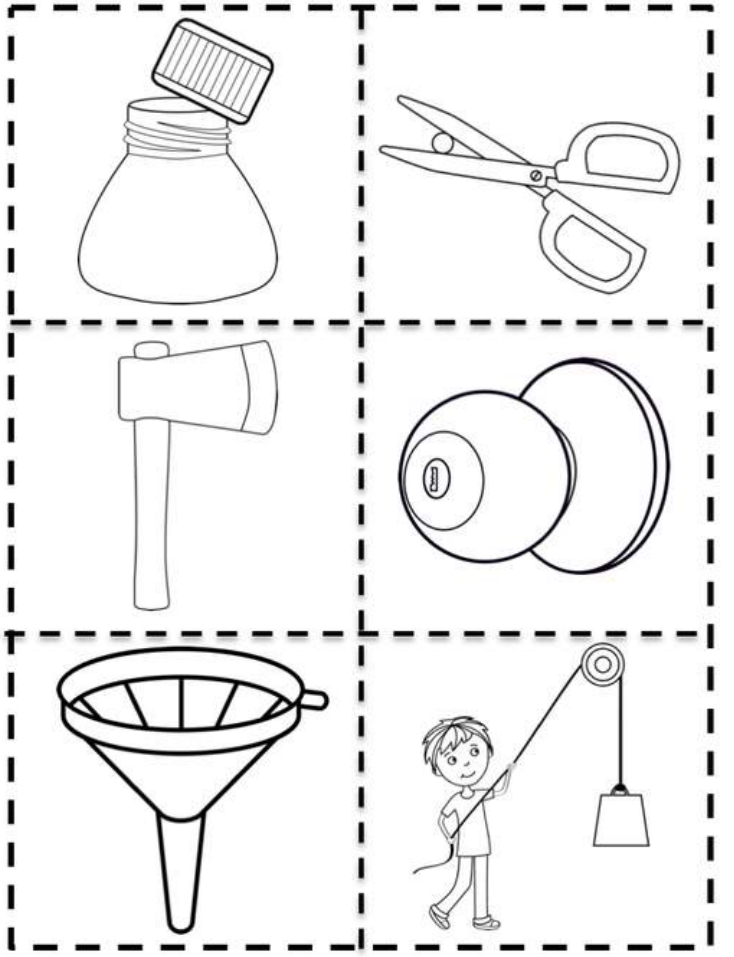
- Define simple machine
- Match each image of a tool to the type of simple machine it represents
- Choose one simple machine and describe how it works in terms of force, distance, and work
- Explore your classroom or a space in your home- try to find 3 examples of each simple machine!



WHAT IS A SIMPLE MACHINE?

A SIMPLE MACHINE IS:

Pulley	Lever	Wheel & Axle
Inclined Plane	Screw	Wedge

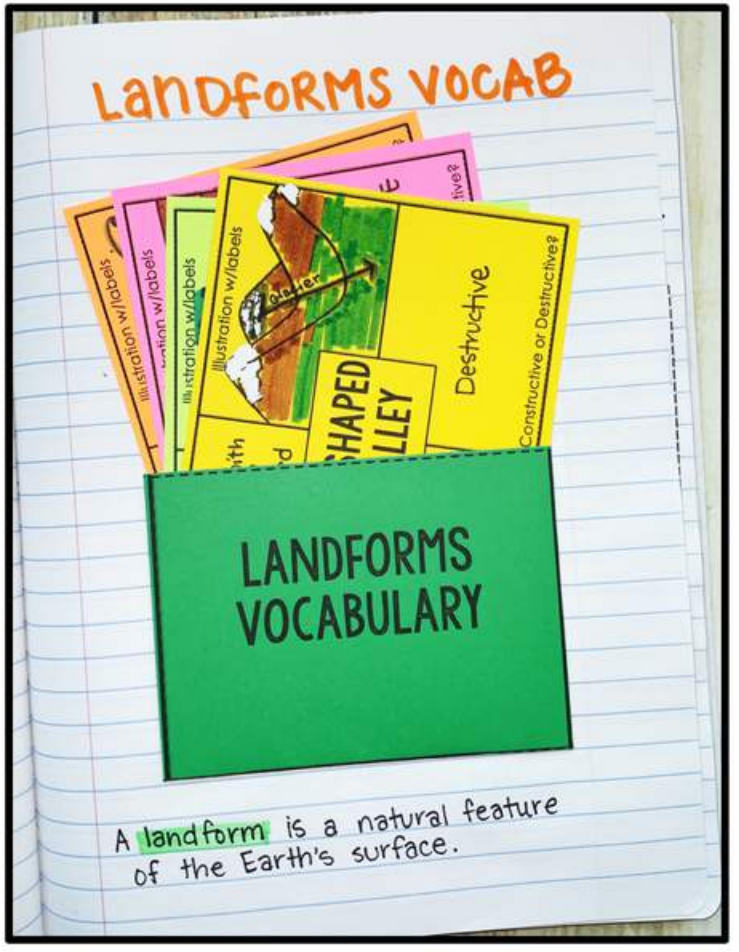


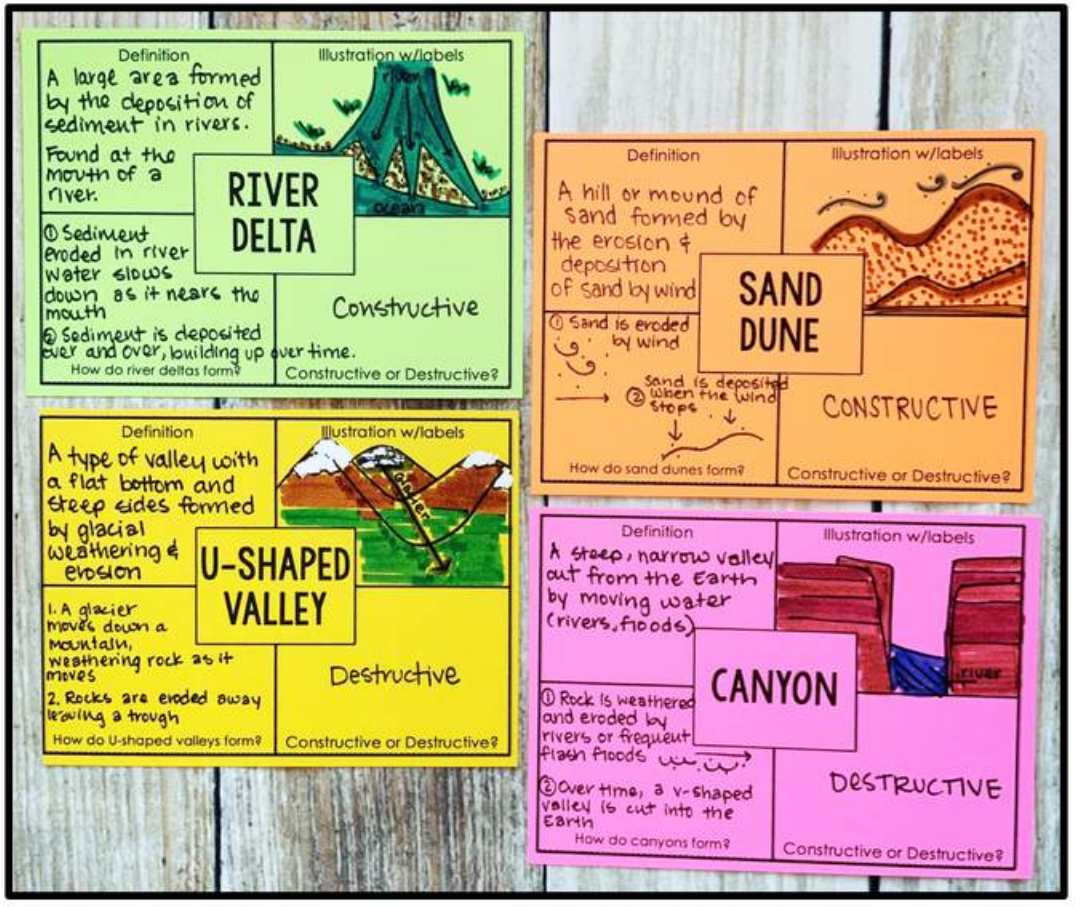
Flat Page

LANDFORM VOCABULARY

IDEAS:

- Complete each vocabulary card with a definition, an illustration, a description of its formation, and classify it as constructive or destructive
- On the back list other characteristics, names of well-known examples, and interesting facts





Definition

Illustration w/labels

CANYON

How do canyons form?

Constructive or Destructive?

Definition

Illustration w/labels

CANYON

How do canyons form?

Constructive or Destructive?

Definition

Illustration w/labels

CANYON

How do canyons form?

Constructive or Destructive?

Definition

Illustration w/labels

CANYON

How do canyons form?

Constructive or Destructive?

Cards

Definition

Illustration w/labels

RIVER DELTA

How do river deltas form?

Constructive or Destructive?

Definition

Illustration w/labels

RIVER DELTA

How do river deltas form?

Constructive or Destructive?

Definition

Illustration w/labels

RIVER DELTA

How do river deltas form?

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Illustration w/labels

RIVER DELTA

How do river deltas form?

Constructive or Destructive?

Definition

Illustration w/labels

U-SHAPED VALLEY

How do U-shaped valleys form?

Constructive or Destructive?

Definition

Illustration w/labels

U-SHAPED VALLEY

How do U-shaped valleys form?

Constructive or Destructive?

Definition

Illustration w/labels

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How do U-shaped valleys form?

Constructive or Destructive?

Definition

Illustration w/labels

U-SHAPED VALLEY

How do U-shaped valleys form?

Constructive or Destructive?

Cards

Definition

Illustration w/labels

SAND DUNE

How do sand dunes form?

Constructive or Destructive?

Definition

Illustration w/labels

SAND DUNE

How do sand dunes form?

Constructive or Destructive?

Definition

Illustration w/labels

SAND DUNE

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Constructive or Destructive?

Definition

Illustration w/labels

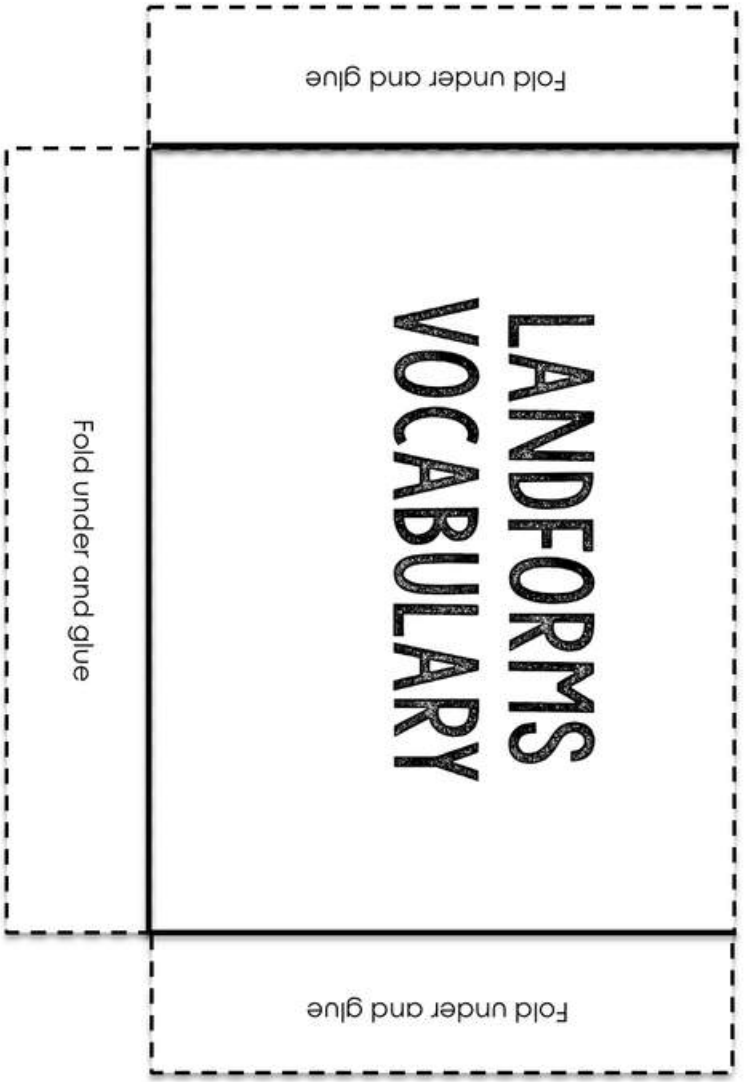
SAND DUNE

How do sand dunes form?

Constructive or Destructive?

LANDFORMS VOCABULARY CARDS POCKET

LANDFORMS VOCABULARY CARDS POCKET

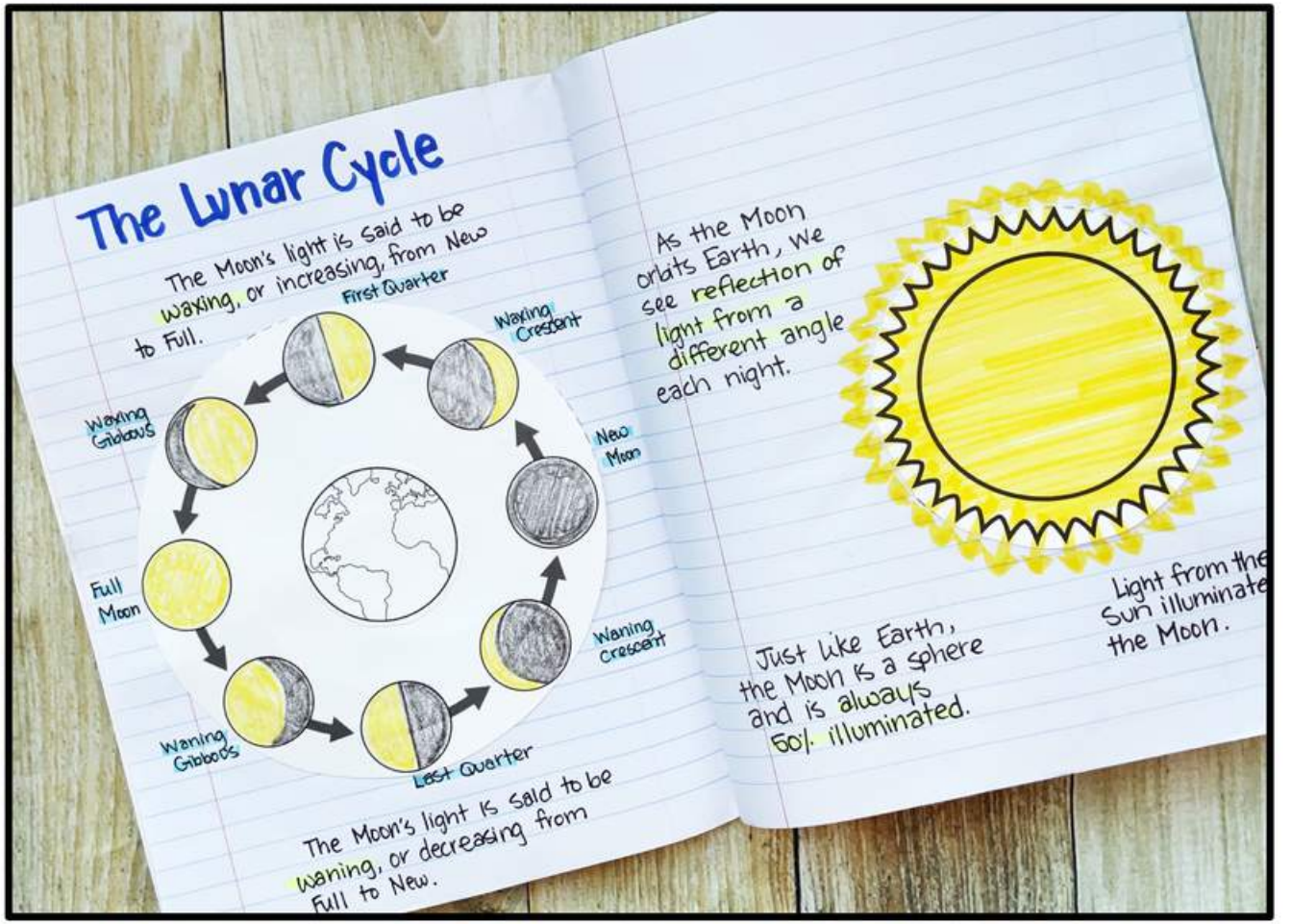


Pocket

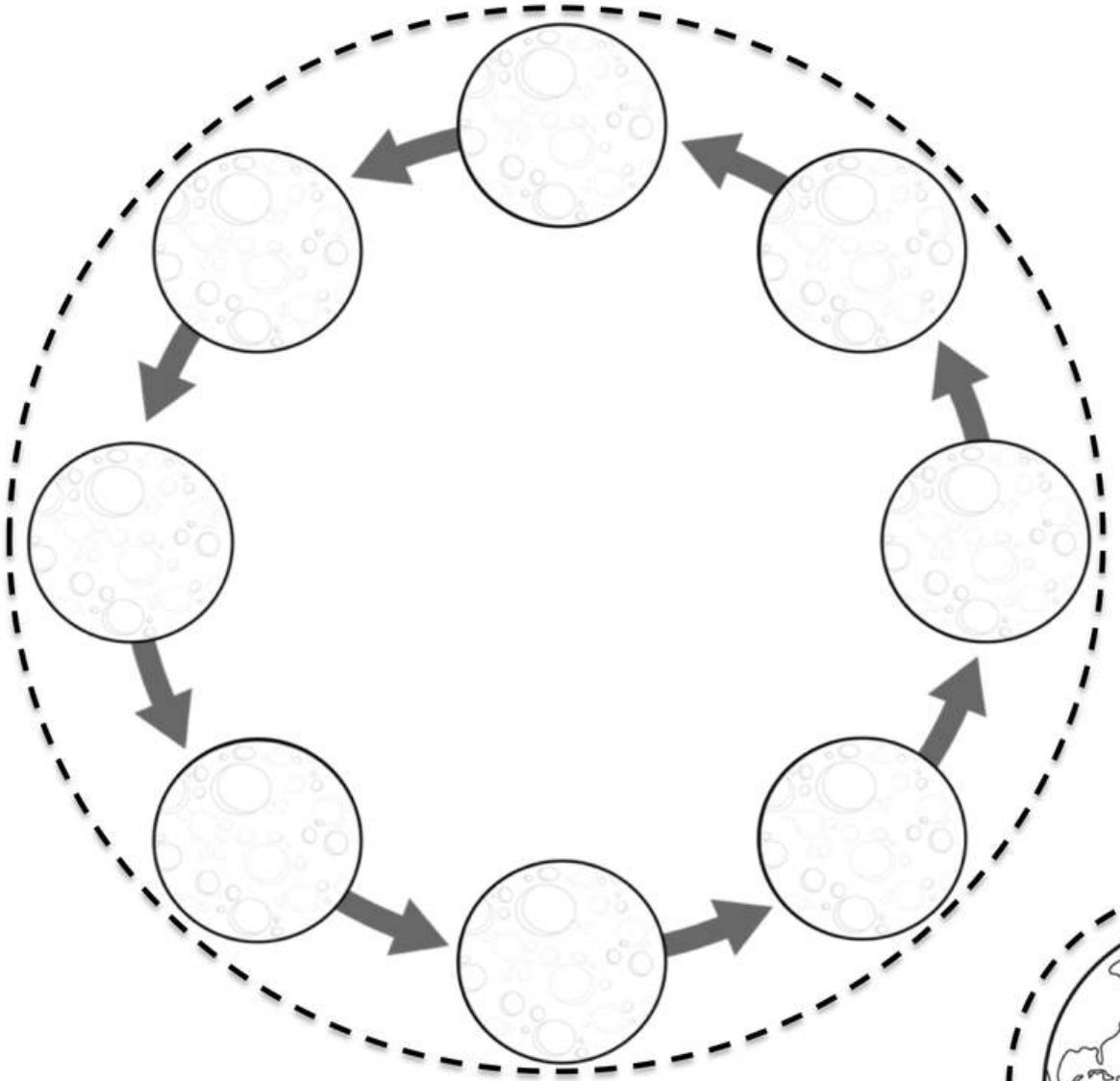
LUNAR CYCLE

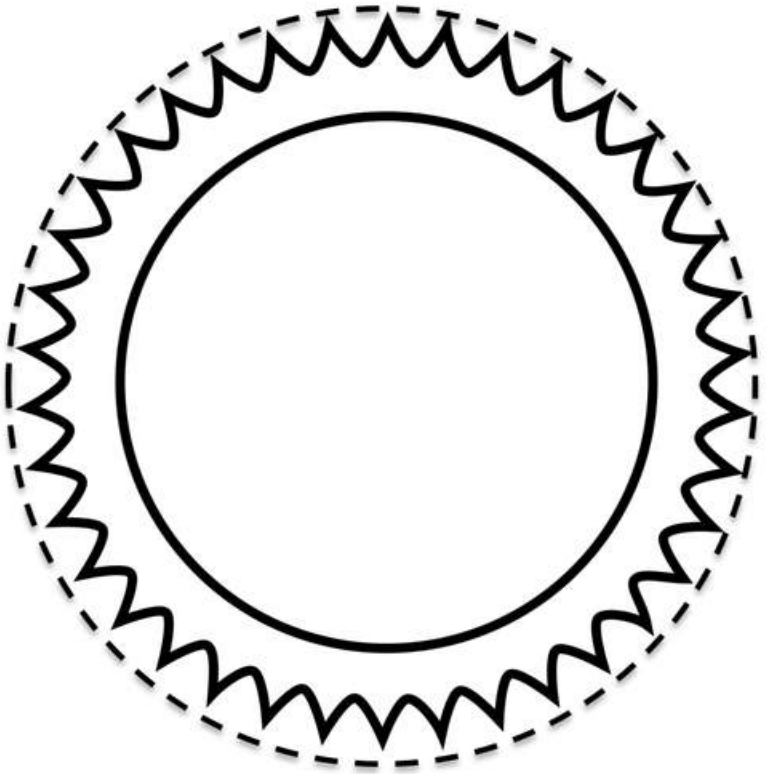
IDEAS:

- Use a two-page spread to build a model of the lunar cycle
- Make notes about the Moon's light, the changing angle, the name of each phase, and the difference between waxing and waning
- Shade each Moon with the appropriate amount of light and dark to represent the view we see from Earth
- The Moon takes 27.3 days to orbit Earth, but the lunar cycle is 29.5 days. Explain why these two cycles are different.

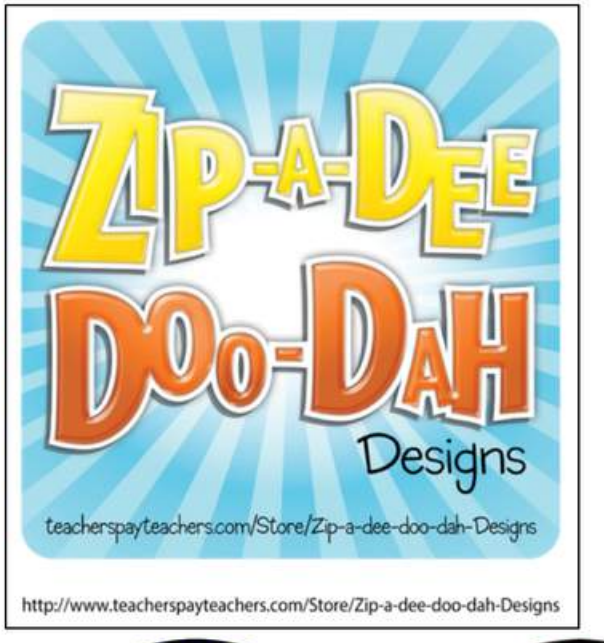


LUNAR CYCLE





CREDITS


ZIP-A-DEE
DOO-DAH
Designs
teacherspayteachers.com/Store/Zip-a-dee-doo-dah-Designs
http://www.teacherspayteachers.com/Store/Zip-a-dee-doo-dah-Designs


SD
studio
DEVANNA


KG Fonts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kg


ONE-STOP SCIENCE CLIPART
THE
Cher
ROOM


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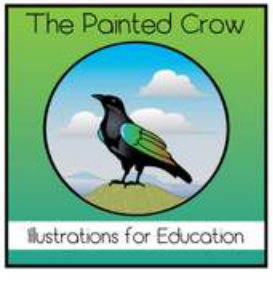
JULIE
RIDGE
DESIGNS
CLIP ART


The Painted Crow
Illustrations for Education


THE WEIRD
SCIENCE TEACHER


THE
Magical
GALLERY