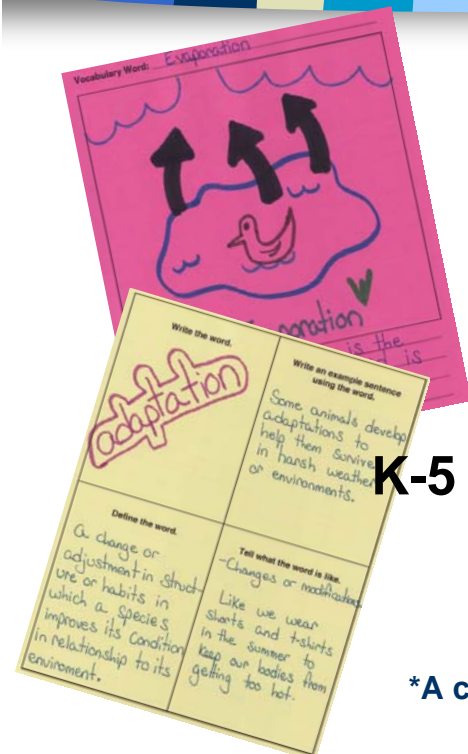
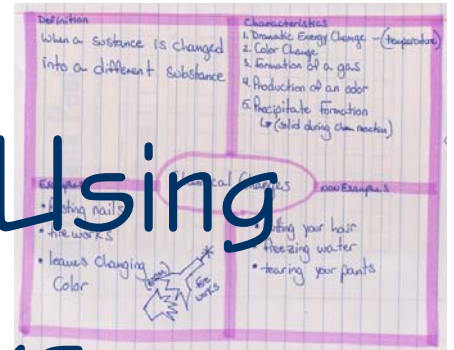
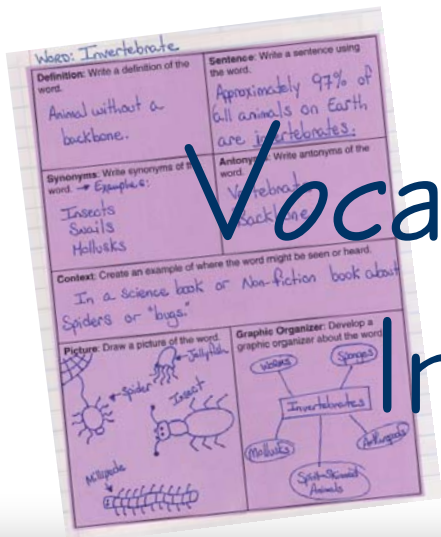


Vocabulary Strategies Using Interactive Notebooks



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*A complete list of idea sources is concluded at the end of this resource.

Knowledge Rating Scale

Word	Know It Well	Have Heard/ Seen It	No Clue
embryo			✓
nymph			✓
larva		✓	
pupa	✓		
amphibian		✓	
gills	✓		
tadpole	✓		
mammal	✓		
Instinct		✓	

Source: Academic Vocab In Science p.80

Carousel

Word: Invertebrate

Definition: Write a definition of the word.

Animal without a backbone.

Sentence: Write a sentence using the word.

Approximately 97% of all animals on Earth are invertebrates.

Synonyms: Write synonyms of the word. → Examples:

Insects
Snails
Mollusks

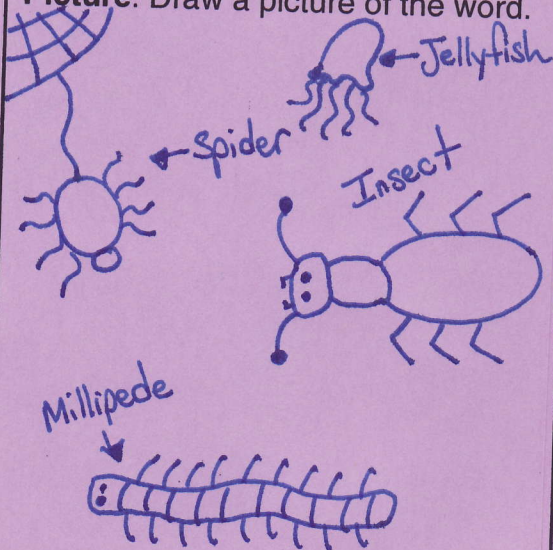
Antonyms: Write antonyms of the word.

Vertebrate
Backbone

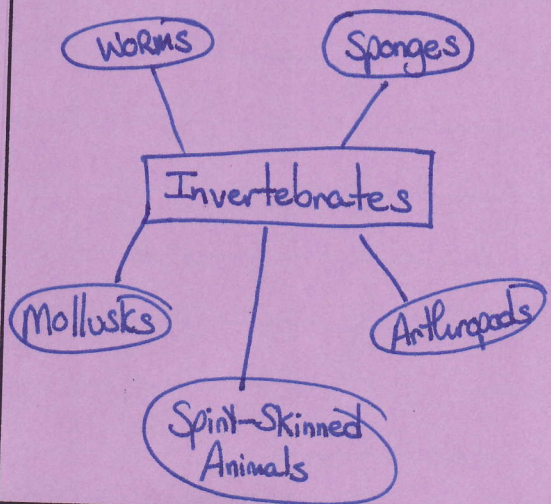
Context: Create an example of where the word might be seen or heard.

In a science book or Non-fiction book about Spiders or "bugs."

Picture: Draw a picture of the word.



Graphic Organizer: Develop a graphic organizer about the word.



Vocabulary Diagram

Synonyms:

dead, non-living

Antonyms:

alive, living

Word:

extinct

Other Forms of Word:

- extinction
- extinguished
- extinguisher

Sentence in Text:

Scientists have learned a lot about extinct animals such as dinosaurs by studying their fossils.

Picture:



Saber-toothed cat

Original Sentence:

Endangered animals may become extinct if we do not work to protect them.

Mapping Words

Write the word.

Adaptation

Write an example sentence using the word.

Some animals develop adaptations to help them survive in harsh weather or environments.

Define the word.

A change or adjustment in structure or habits in which a species improves its condition in relationship to its environment.

Tell what the word is like.

-Changes or modifications

Like we wear shorts and t-shirts in the summer to keep our bodies from getting too hot.

Source: Academic Vocab in Science p. 120

Word Associations

Vocabulary List

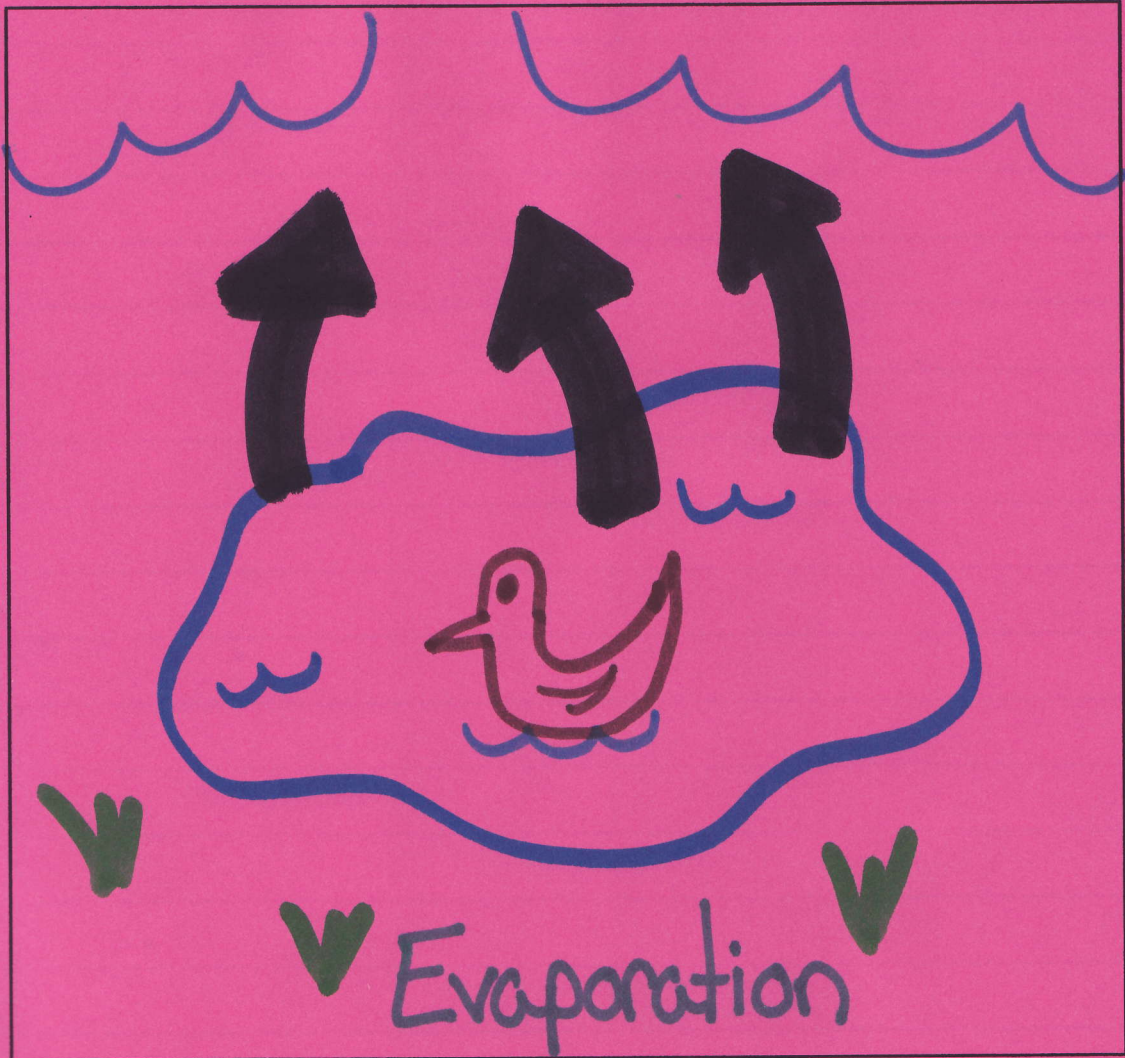
- effect
- reinforce
- friction
- magnitude

Word Association Question	Vocabulary Word
Which word goes with <u>outcome</u> ?	effect
Which word goes with <u>resistance</u> ?	friction
Which word goes with <u>size</u> ?	magnitude

Source: Academic Vocab in Science p. 144

Keyword Method

Vocabulary Word: Evaporation



Keyword Statement: Evaporation is the process by which a liquid is converted into vapor.

Clue Hunt

Words	Context Clues in Text
geologist	" <u>Geologists</u> use technology to <u>study</u> how <u>pieces of Earth</u> move around."
meteorologist	" <u>Meteorologists</u> use technology to <u>study weather</u> ."
technology	" <u>Technology</u> is a <u>tool</u> scientists use to gather and share information."
bio technology	"Scientists use <u>biotechnology</u> to <u>make medicines</u> ."

Definition

When a substance is changed into a different substance

Characteristics

1. Dramatic Energy Change - (temperature)
2. Color Change
3. Formation of a gas
4. Production of an odor
5. Precipitate Formation
↳ (solid during chem reaction)

Chemical Changes

Examples

- Rusting nails
- fire works
- leaves changing color

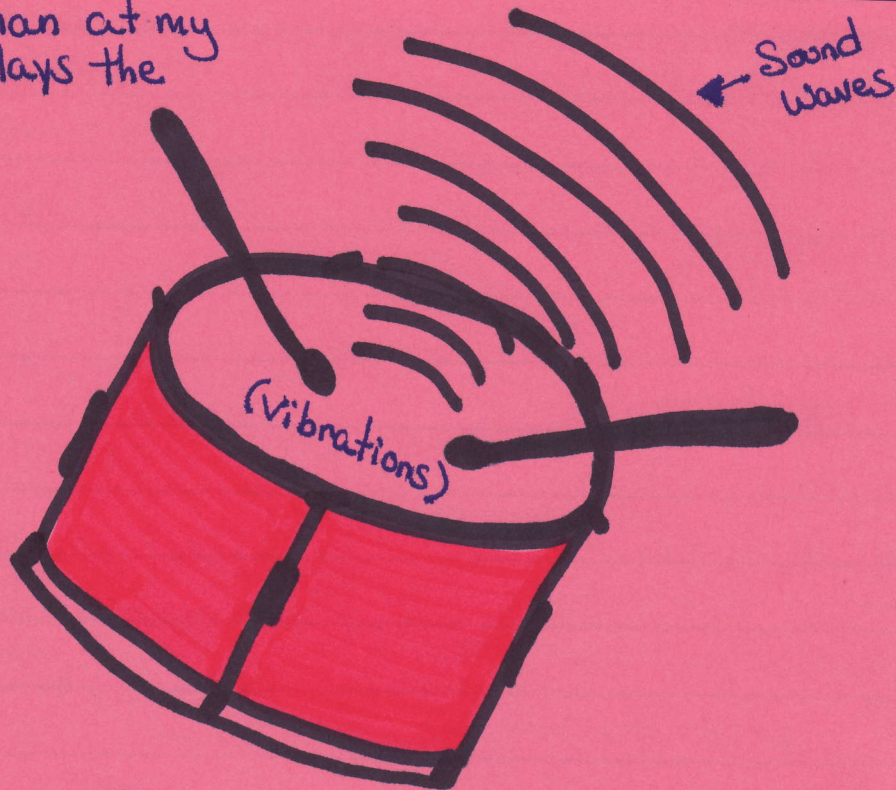


NON Examples

- Cutting your hair
- freezing water
- tearing your pants

Vocabulary Journal

A blind man at my Church plays the drums!



Sound (N)

When a drummer plays a snare drum, the drumhead vibrates and creates sound waves.

Source: Academic Vocabulary in Science p. 186

List, Group, Label

TOPIC: Plants

List:

- maple
- cosmos
- grass
- daffodil
- lavender
- aspen
- gerbera
- daisy
- marigold
- dianthus
- shrub
- petunia
- salvia
- flower
- evergreen
- dogwood
- pine
- geranium
- ash
- tulip
- tree
- olive
- aster
- iris
- day lily

Perennials

- lavender
- day lily
- geranium
- gerbera
- daisy

Annuals

- aster
- dianthus
- cosmos
- marigold
- petunia
- salvia

Trees

- maple
- olive
- dogwood
- evergreen
- pine
- aspen • ash

Bulbs

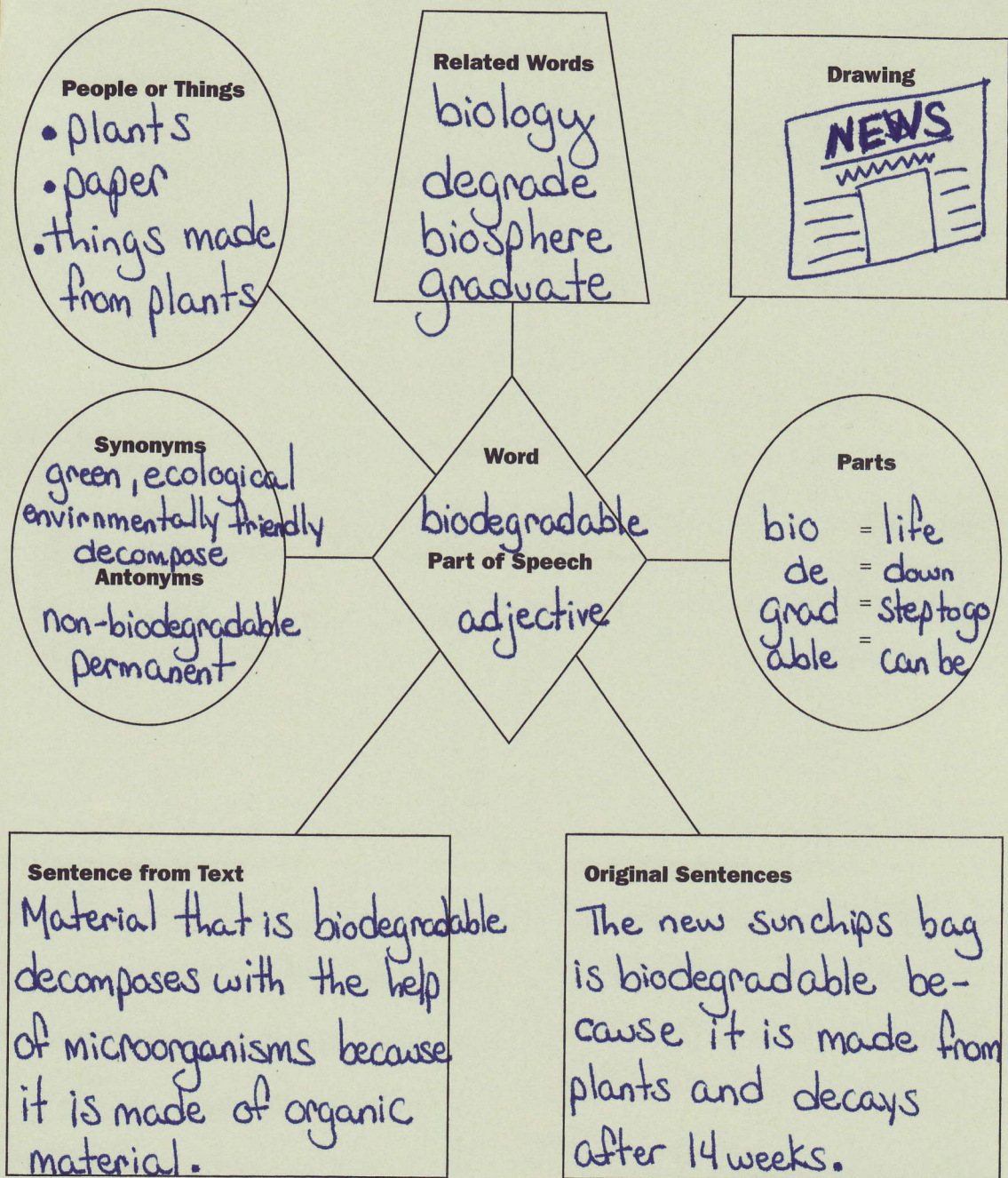
- tulip
- daffodil
- iris

A ^{agree} 3 D ^{disagree} Statements

Statement	How Can You Find Out?
<p>1. All magnets have 2 poles. <input checked="" type="checkbox"/> agree ___ disagree ___ it depends on ___ not sure</p> <p>My thoughts: I've seen them with two ends.</p>	<p>I can read a book on magnets or google it.</p>
<p>2. All metals are attracted to magnets. ___ agree ___ disagree <input checked="" type="checkbox"/> it depends on ___ not sure</p> <p>My thoughts: I can't pick up money $\frac{1}{2}$ its metal.</p>	<p>I can test a whole bunch of metals and see which ones are attracted.</p>
<p>3. Larger magnets are stronger than smaller magnets. <input checked="" type="checkbox"/> agree ___ disagree ___ it depends on ___ not sure</p> <p>My thoughts: Bigger things are always stronger.</p>	<p>I can test the magnets in the magnet center. I can also do research on the computer.</p>
<p>4. Magnetism can pass through metals. ___ agree ___ disagree ___ it depends on <input checked="" type="checkbox"/> not sure</p> <p>My thoughts: I don't know what this is asking.</p>	<p>I can look up "magnetism" and ask my teacher another way to say this.</p>

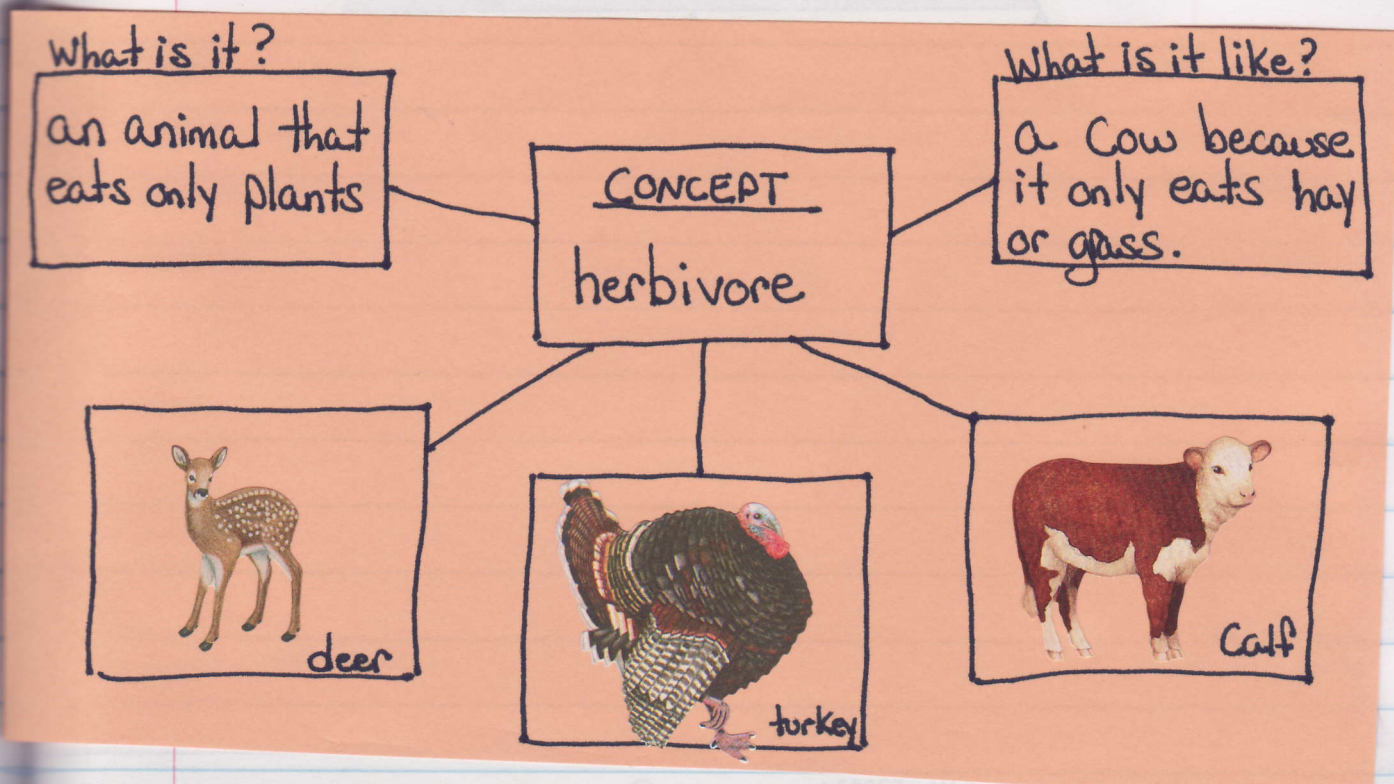
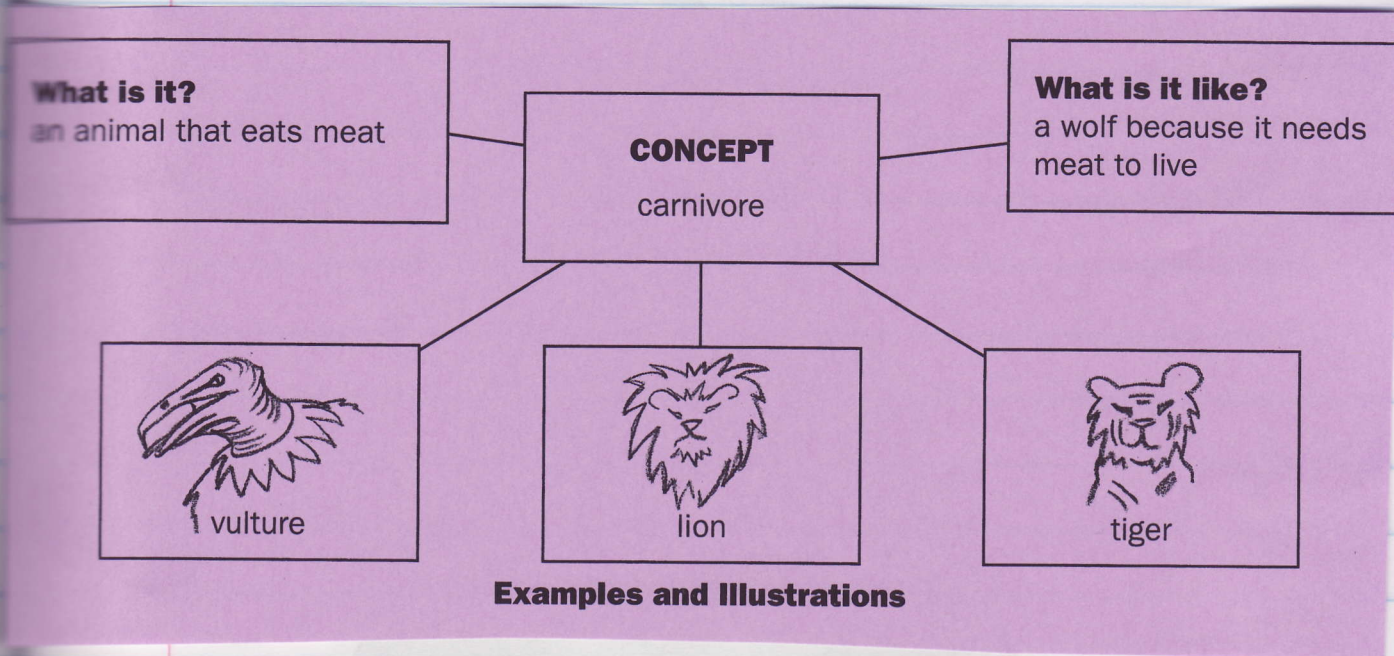
Vocabulary Diagram

Vocabulary Diagram



Source: Reading Strategies for Science p.63

Concept of Definition Map



Source: Reading Strategies for Science p.50

DEFINITIONS

Definition

The bouncing of light off

a surface. The way the light



Light

Light

KNOW

DEFINITIONS

Definition:

Surfaces that allow most light
to pass through
through this

refraction

Need TO KNOW

Multi-Tab Vocabulary Foldables



Another word for heat; it is also the total amount of energy in a substance

temperature

Conduction

a force between two surfaces that touch; energy of motion (friction) changes to heat

heat transfer

insulators

Conductor

Convection

Matchbook Foldables

asteroid

paper
a group of planets and other objects orbiting a star

planets

universe

a space object that burns and lights up from friction as it falls

galaxies

Envelope Foldable

Classifying Organisms

① Kingdom

②

Species ⑦

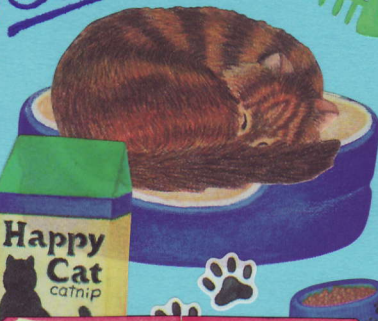
cat



Phylum

Felis

"housecats, Cougars, and many others"



⑤

④

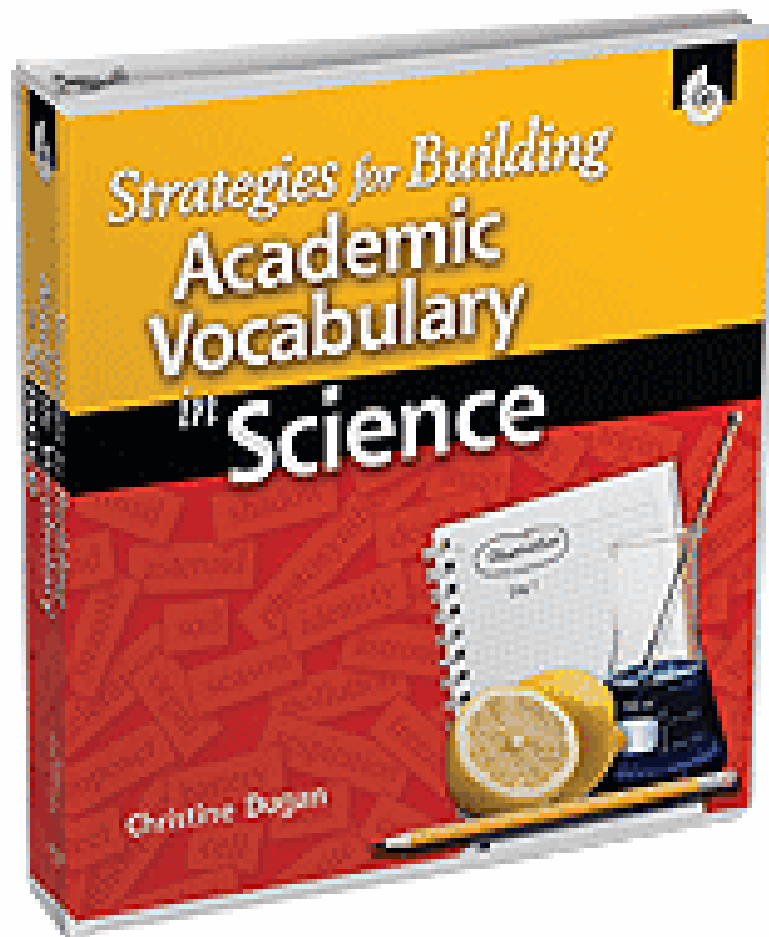
family

Order

Mammalia

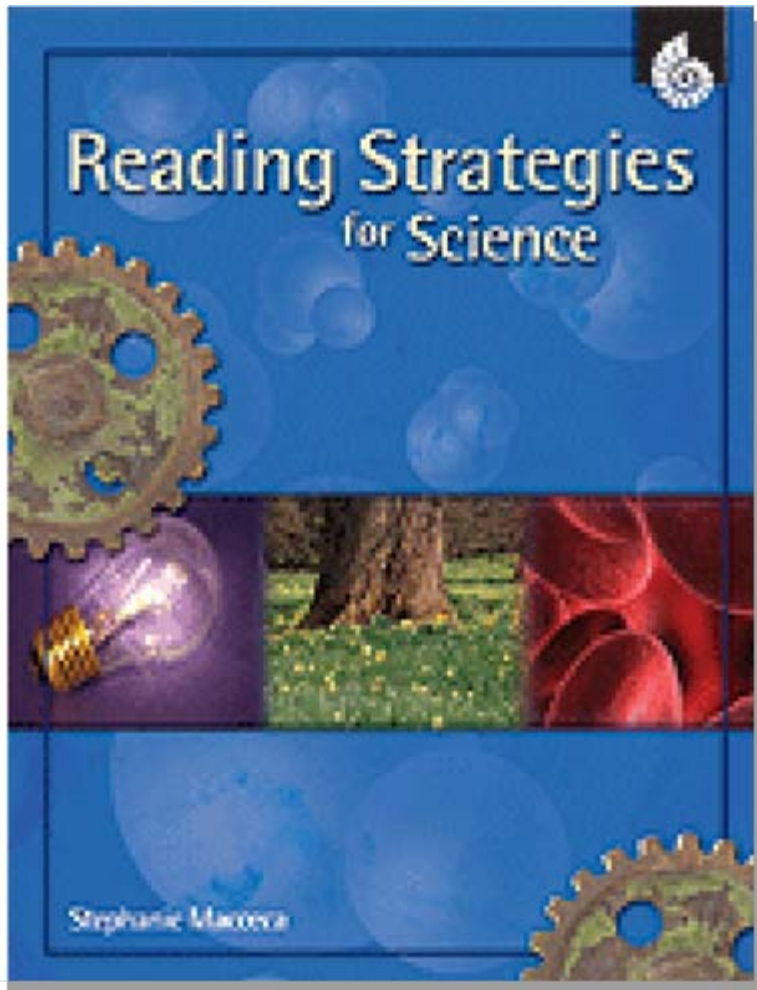
"mammals or furry animals that nurse their young"

Strategies for Building Academic Vocabulary in Science



[http://estore.seppub.com/estore/
product/50129](http://estore.seppub.com/estore/product/50129)

Reading Strategies for Science



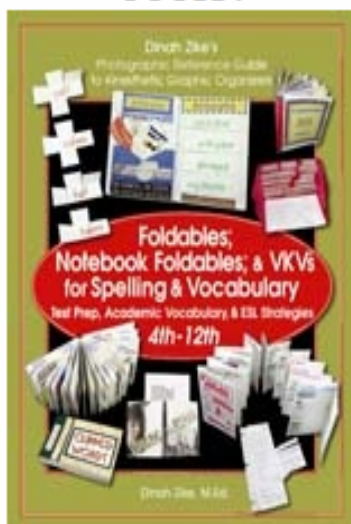
[http://estore.seppub.com/estore/
product/50053](http://estore.seppub.com/estore/product/50053)

Dinah Zike Foldables Book

Foldables, Notebook Foldables, and VKVs for Spelling and Vocabulary 4th-12th



**Stock Number:
CCC114**



This incredible 432-page photographic reference book contains over 1,600 color photos of Foldables, Notebook Foldables and VKVs (Visual Kinesthetic Vocabulary). It is organized alphabetically, with sections including abbreviations, acronyms, analogies, antonyms, clipped words, root words, synonyms, and more with extensive word lists in each section. Spelling rules are noted in red within the word lists and throughout the book; special word lists presented in Venn diagram format to graphically illustrate relationships between sounds and different spellings. Includes Foldables instructions and VKV folding instructions! An amazing resource!

Price: \$49.95

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