

Science Cut Ups

Content Centers

Includes **12** color printed center activities, **KEYs** & center instruction cards

\$45

Life Science – Grades 3 – 5

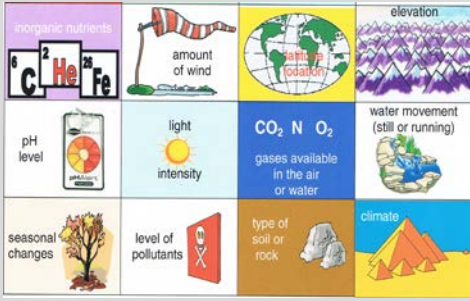
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TEKS	Center Title	TEKS	Center Title
5.9AC	Biotic or Abiotic	5.9D	Fossils or Not
3.10A	Characteristics of Living Things	4.10B, 5.10B	Inherited or Learned
4.10C	Comparing Life Stages	3.10B	Life Cycles
3.9AB, 5.9AB	Ecosystems Tic-Tac-Toe	3.10A, 4.9A	Life Processes
3.9BC, 4.9B, 5.9BC	Food Web Work	3.10A, 4.9A	Plants Tic-Tac-Toe
5.9D	Follow the Fossils	3.10A, 4.10A, 5.10A	Structures for Survival

For all materials:

- Laminate all materials before using for longer durability*.
- Cut manipulative pieces apart and place in bags or envelopes for each center.
- Center Instruction Cards are included.
- **KEYs** are included.
- Use with small student groups to encourage scientific dialogue.
- Differentiate for the specific abilities of a student or group (Special Education, ELL, GT) by removing/adding manipulative pieces in each set.
- Provide reference materials for students to access content information.
- Encourage students to record key information from each activity in a science notebook/journal.
- Encourage students to generate additional examples for each activity set.





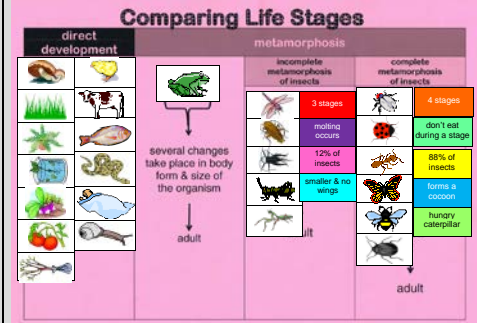
Biotic or Abiotic?

Use 56 cards in 3 different activities to identify factors & how they impact ecosystems.

BASIC NEEDS OF ALL LIVING THINGS		
	PLANTS	ANIMALS
GET ENERGY FROM	CO ₂ H ₂ O	O ₂
MOVE		Wings, legs, tails, fins, etc.
GROW	Grow larger	Grow larger or change form
REPRODUCE	Seeds or spores	Lay eggs or give birth
RESPOND EXTERNALLY	Some respond to touch	Use sense organs
RESPOND INTERNALLY	Light, gravity, moisture	Hunger, thirst, tired, sickness

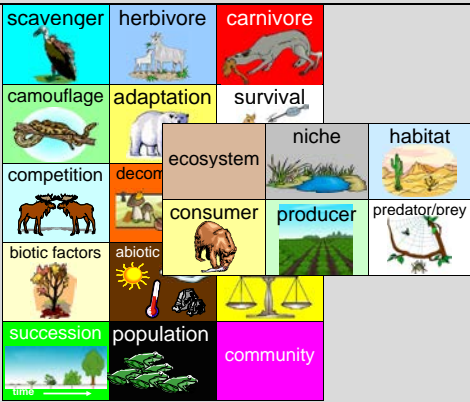
Characteristics of Living Things

18 data cards to organize by life function.



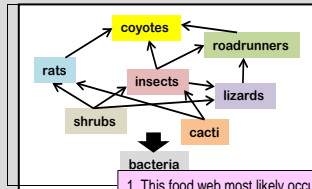
Comparing Life Stages

Organize 34 cards to show direct development or type of metamorphosis.



Ecosystems Tic-Tac-Toe

Compose sentences using 30 term cards relating to the concepts.



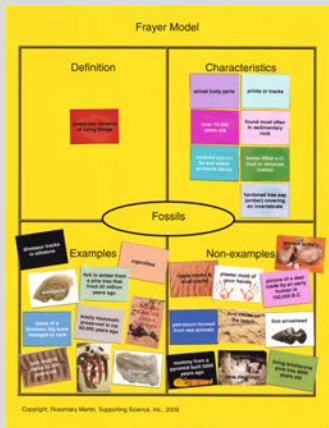
1. This food web most likely occurs in a desert habitat.
9. Light energy is missing from this food web.
11. Producers begin the flow of energy through this web.
12. Two organisms in this food web eat only producers.
18. This food web has five consumers.

Food Web Work

Analyze 6 food webs for energy source, producers, consumers, decomposers, habitat, & changes.

Follow the Fossils

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



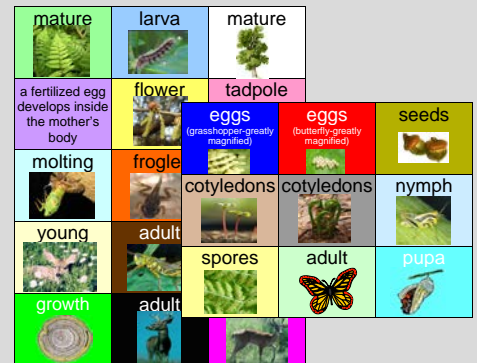
Fossils or Not?

28 cards to place in Frayer Model.

INHERITED TRAITS	LEARNED BEHAVIORS	RESPONSE TO ENVIRONMENT
A A cowbird lays white eggs with brown speckles	A A hummingbird is attracted to red	A A bird finds a place to build a nest
B	C	A
B A bear hibernates during cold weather	D A hawk has keen eyesight	I A dog jumps over a low fence
D	F	I
D A maple tree loses its leaves in the fall	F A bat sleeps during the day and looks for food at night	F A cat remains still when being petted
F	U	G
		G Babies get milk from their mother

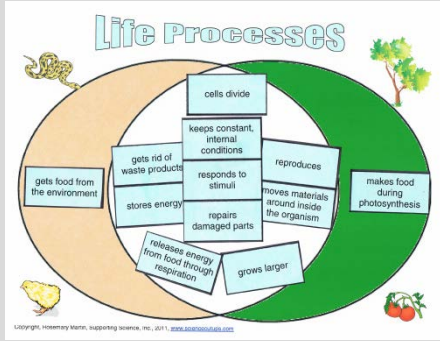
Inherited or Learned

36 traits, behaviors & responses to sort.



Life Cycles

Sequence stages & compare 6 plant & animal life cycles.



Life Processes

Organize 12 cards in Venn diagram to compare plants & animals.

Xylem	Sunlight	Seeds	
Photosynthesis	Oxygen	Roots	Stem
Water	Soil	Flower	Fruit
Producer	Bark	Pollen	
Chlorophyll	Germinate	Glucose	

Plants Tic-Tac-Toe

Compose sentences using 30 term cards about plant parts & processes.

Structures for Survival				
Get oxygen/ Breathe	Sense Surroundings			
Get energy/ Eat/Drink	Defense Protection			
Move	Reproduce			

Structures for Survival

Identify the survival function of 40 structures & create a foldable®. Extend with structural comparisons.