
Adaptations

Find What's Needed!

What are different elements of the following habitats? What are some of the benefits and challenges of each? What type of animal do you think lives there?









Let's Clap

1. Every time somebody class, respond with 2 claps.

You are going to be given a post-it note. Throughout today's activities you have the opportunity to be the leader and clap once. Once you have lead the clap, your post-it note will be taken away and you are no longer to lead a clap, so use it wisely!



Behavioral and Physical Adaptations

Behavioral

The way an animal responds to life needs.

Physical

The way an animal physically changes itself to help them survive.

What are some examples of behavioral and physical adaptations that you can think of?

Behavioral

Instinct

Learned Behavior

Physical

Camouflage

Mimicry

Camouflage

Camouflage

What is camouflage?

- Camouflage is an adaptation in which an animal's color or appearance makes them difficult to see in certain environments

What are some interesting animals with camouflage?

- Moth
- Snowshoe Hare
- Leaf Insects
- Octopus

Can you spot the hidden animal?

Brainstorm! What kind of animal is this and how does it use camouflage to blend in?

https://www.nationalgeographic.com/photography/proof/2017/08/camouflage-animals-concealment/#/01-camouflaged-animals-1556947_uploadsmember25523yourshot-25523-1556947jpg_67m4i5ts7ciah4emivyjuicxr4zxs2udwatjavjxftgooy4jfa_2000x1500.jpg





Activity!

Fun with Frogs

Mimicry

What is Mimicry?

Mimicry is the action or art of an animal imitating another animal or plant.

What is it used for?

It is used as a defense mechanism from other predators.

What animals mimic others as a form of defense?

Ladybird Beetle



Dead Leaf Mantis



Activity!

Mimic Me!

This is a Monarch Butterfly!

Do your best to mimic this
butterfly using the paper and
markers provided.



Is this a Monarch butterfly?



No! It's a Viceroy

- They mimic the Monarch butterfly.
- Monarchs have an acid in their bodies, which makes them bitter, and upsets predators' stomachs.



Brainstorm: How is this useful?

Can you spot the difference?

Viceroy



Monarch





Monarch

Danaus plexippus



Viceroy

Limenitis archippus

Instincts

What would you do?

What is an instinct?

- **Instinct**
 - Natural behavior needed to survive
- **Behavioral adaptation**
 - Respond to life needs
- **Examples**
 - Spider spinning a web
 - Beaver building a dam





**QUIZ
TIME!**

Learned Behavior

What is a learned behavior?

- Behavior that develops from observation or instruction is called a learned behavior.

Guess the learned behaviors

- Baby ducks follow mother to pond.
- The turkey has brown feathers.



- The horse sleeps standing up.
- Cubs hunt, pick berries and fish.



- Spiders spin a web to catch food.

- Prairie dogs dive into the safety of their burrow when danger is near.



- The pigs come to the trough when the farmer has the slop bucket.
- Squirrels search for and hide nuts.



- The dog barks at the door to go outside.
- Birds migrate from places where they breed and raise their young, to other habitats where they spend the winter.



Extra Activity!

Mimic This!

Everybody has 4 minutes to draw their favorite animal, habitat, or food. When this time is up, you will pass your drawing onto the person next to you and they will have 4 minutes to mimic your drawing and guess what it is!