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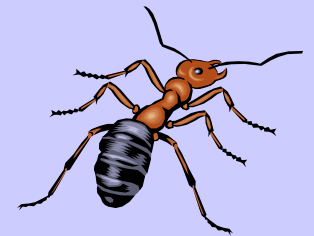


Animal Adaptations

Have you ever wondered how animals are able to survive in the wild?



Animals have certain adaptations that help them to survive.



We can separate **adaptations** into two categories:

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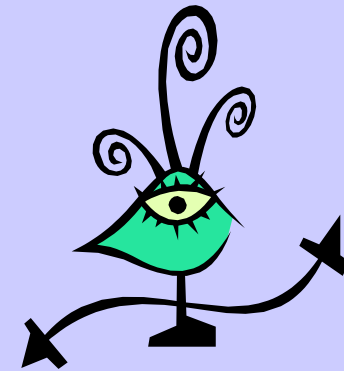
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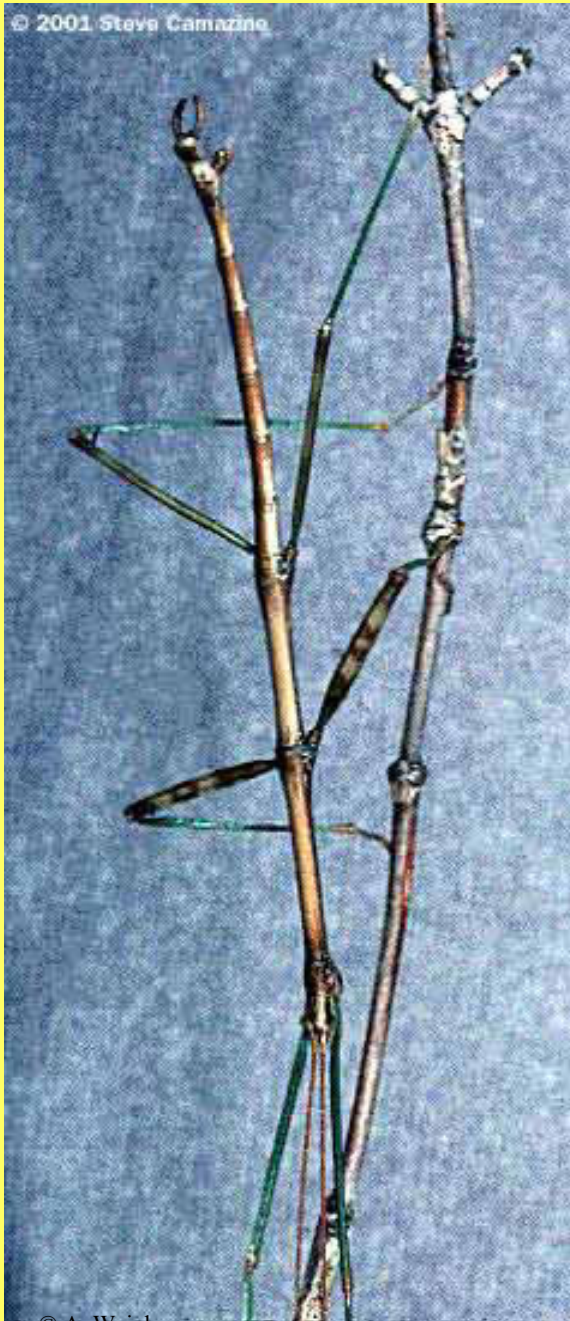


Physical



Behavioral

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Physical adaptations

are body structures that allow an animal to find and consume food, defend itself, and to reproduce its species.

Physical adaptations help an animal survive in its environment.

Physical adaptation

Camouflage (use of color in a surrounding)



The chameleon can change its **color** to match its surroundings. Can **you** do that?



Deer





Lizard



Lizard

Moth

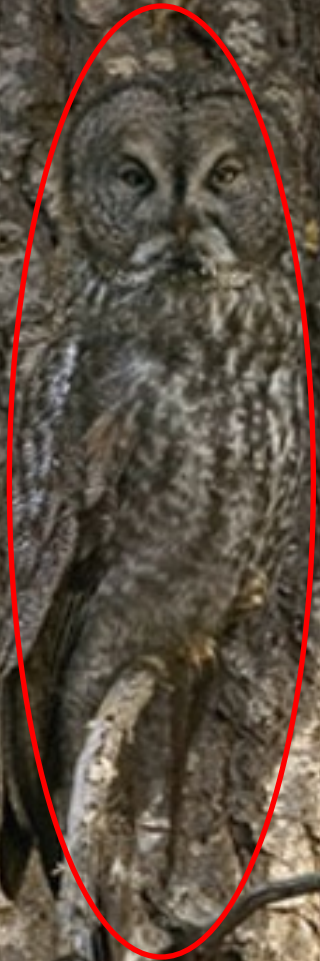


Moth





OWL



OWL

Leopard



Leopard



Impala



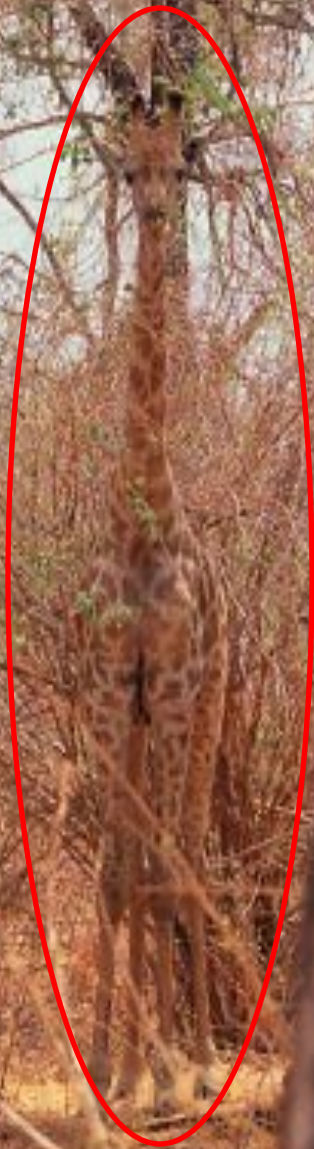
Impala



Giraffe



Giraffe



Red Bat



Red Bat



Willow Ptarmigan



Willow Ptarmigan





Snow Leopard



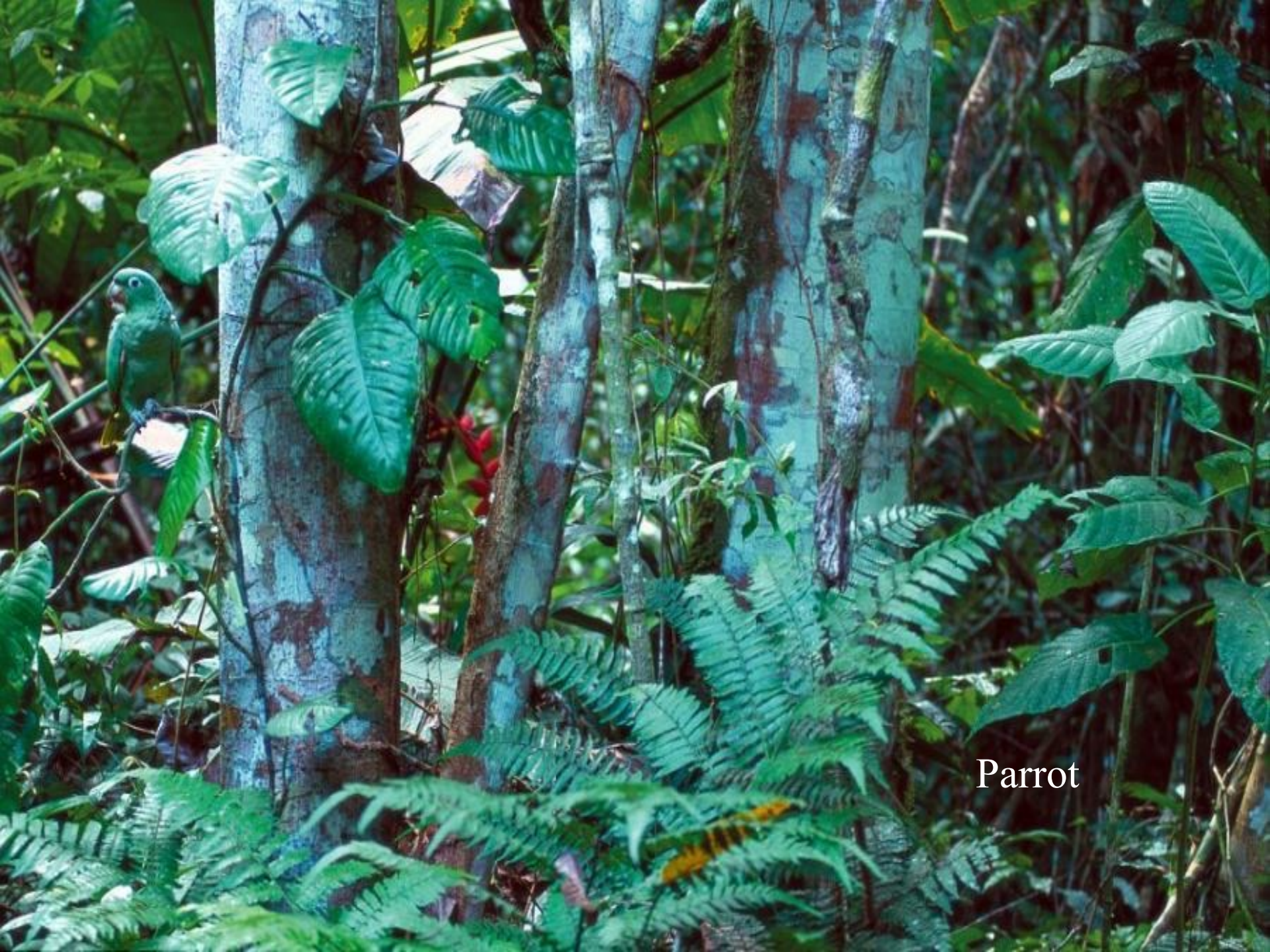
Snow Leopard



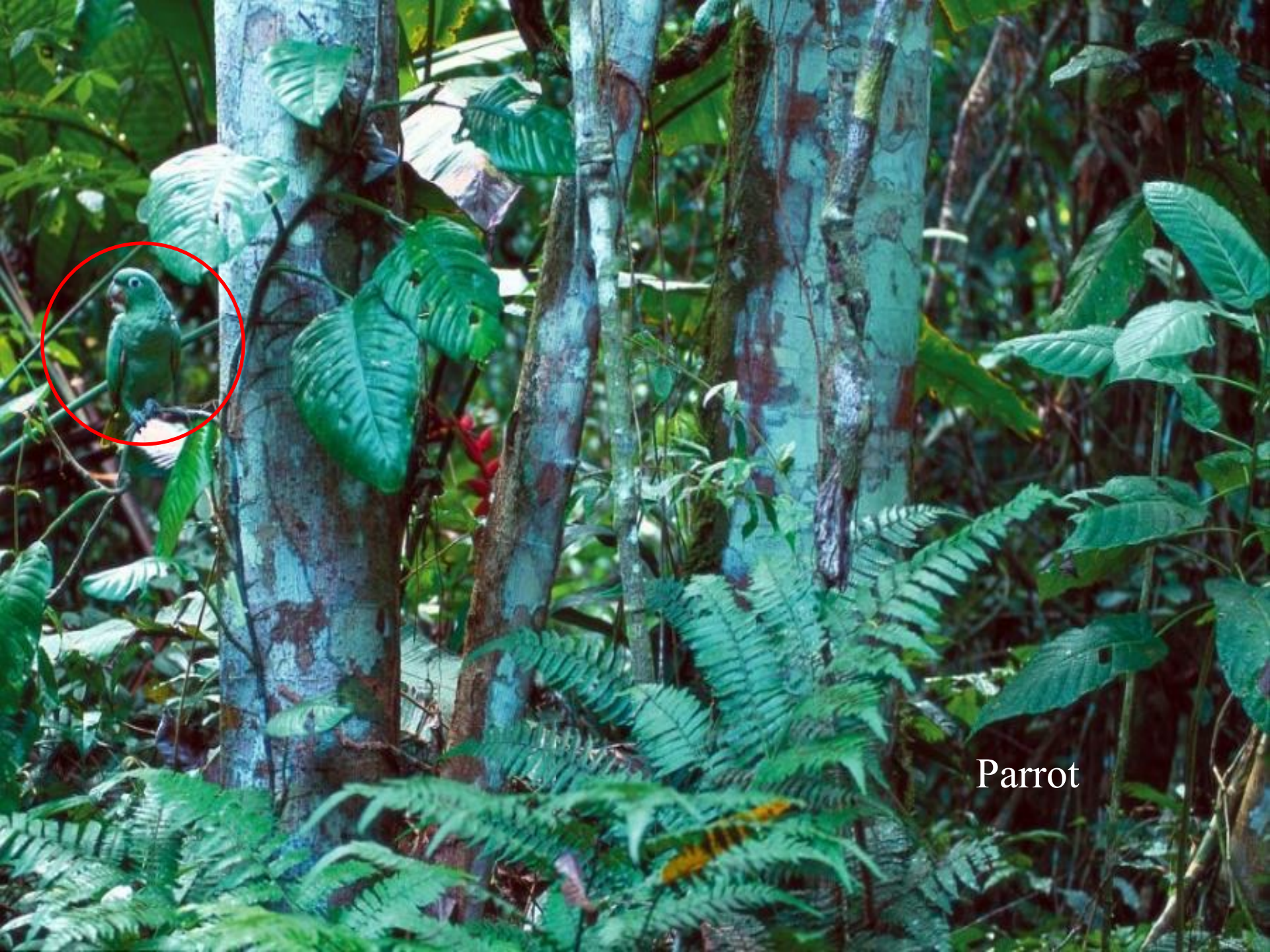
Frog



Frog



Parrot



Parrot



Spider

Peter Grobler 2009



Spider

Vine Snake



Vine Snake





Wolf



Wolf



Coyotes



Coyotes



Klipspringers



Klipspringers



Pika



Pika

Bobcat



Bobcat





Mountain Lion

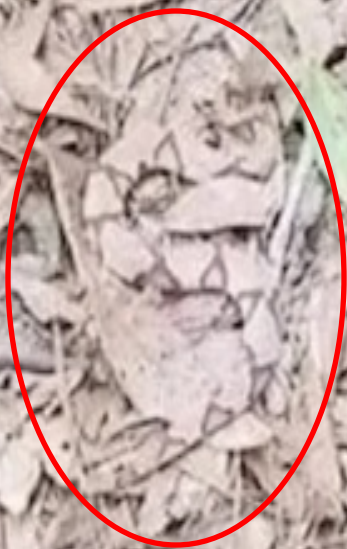


Mountain Lion

Snake



Snake



Octopus



<https://www.youtube.com/watch?v=eS-USrwuUfA&t=7s>

Octopus



<https://www.youtube.com/watch?v=eS-USrwuUfA&t=7s>

Physical adaptation

Mimicry

(looking or sounding like another living organism)

The Viceroy butterfly uses mimicry to look like the Monarch butterfly. Can you tell them apart?



Poisonous

I'm the Monarch!

I'm the Viceroy!

Not poisonous



Physical adaptation



Chemical defenses (like venom, ink, sprays)

Physical adaptations

Body coverings & parts (claws, beaks, feet, armor plates, skulls, teeth)



The elephant's **TRUNK** is a physical adaptation that helps it to clean itself, eat, drink, and to pick things up.

Now let's learn about
Behavioral Adaptations...



Behavioral Adaptations allow
animals to respond to life needs.

Behavioral Adaptations are
animals' actions.

*Remember that Physical Adaptations
are body structures.*



Each organism has unique
methods of adapting to its
environment by means of
different actions.

We can divide **Behavioral Adaptations** into two groups:

Instinctive



These behaviors happen naturally & don't have to be learned.

Learned

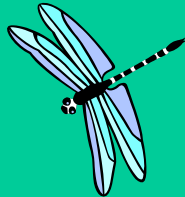


These behaviors must be taught.

Instinctive
behaviors

=

happen naturally
& don't need to be
learned



*Methods of gathering
& storing food*

Defending oneself

Hibernating

Finding shelter

Raising young

Migrating

Learned
behaviors

=

Obtained by
interacting with the
environment and
cannot be passed on
to the next
generation except by
teaching.

