

The\_Vanishing\_Frog\_with\_Jeff\_Corwin.wmv

1.1

## What would happen if frogs started to disappear?

- Declining frog populations would cause mosquito and fly populations to increase
- Declining tadpole populations would cause algae populations to increase this would cause serious environmental hardship

# Why are Frogs disappearing?

1.1

- loss of habitat
  - human development has caused areas needed for frog populations to diminish
  
- air and water quality
  - Harmful bacteria forming
  - air pollution gets absorbed into the skin of a frog
  - reproduction rates decrease with increasing levels of acid rain
  
- increased exposure to ultraviolet radiation
  - high levels of UV radiation burns skin and damages skin cells
  
- climate change
  - higher temperatures are hard for frogs to adapt to

## Animal Adaptation

toad



# Animal Adaptations

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



Animals have certain adaptations  
that help them to survive.



Think about the way you dress in the winter.



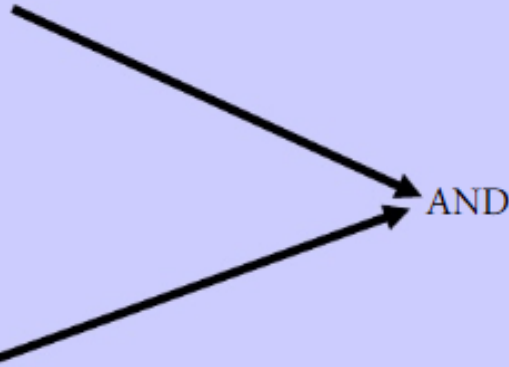
You don't wear your shorts and bathing suit when it's snowing outside!

*You wear warm clothes, and maybe even a hat and mittens to protect yourself from the weather.*



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

A  
D  
A  
P  
T  
A  
T  
I  
O  
N  
S



Physical



Behavioral



© 2001 Steve Cardone

Hey! I'm a walking stick. I look just like a stick you'd find on the ground.

### 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?



### 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)