

#### **Notes Review**

Adaptations - the behaviors and physical characteristics that allow organisms to live successfully in their environments

Competition - struggle between organisms to survive as they use the same limited resources

Symbiosis - any relationship in which two species live closely together and interact in some way



#### **Structural Adaptations**

Part of an animal's body such as body movement, body covering, type of appendages, and body shape.



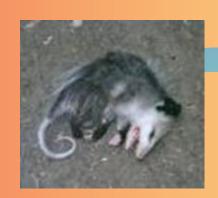


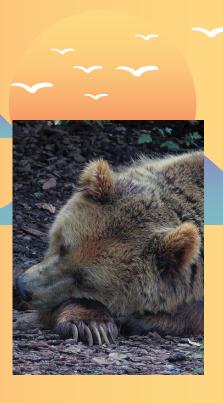


### **Behavioral Adaptations**

Types of activities performed which help the organism meet a life need.







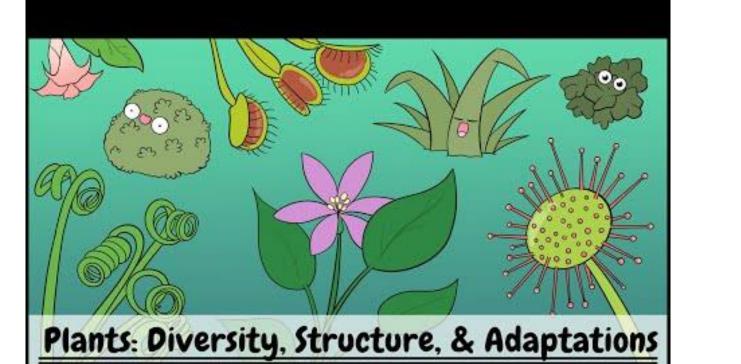




### **Bird beaks analysis**

http://www.vtaide.com/png/birdadaptations3.htm





with the Amoeba Sisters

# Now explore to find more!

#### **Explore more**

Info on adaptations: https://sciencetrek.org/sciencetrek/topics/animal\_adaptations/facts.cfm

Check out some weird adaptations here: https://www.businessinsider.com/these-7-animals-have-crazy-adaptations-to-help-them-to-survive-in-their-habitats-2016-7

Adaptations in the tundra: https://www.nps.gov/bela/learn/kidsyouth/alaskan-animal-adaptations.htm

Adaptations in an extreme animal athlete - https://www.biointeractive.org/classroom-resources/science-extreme-animal-athlete

The amazing tardigrade: https://www.livescience.com/baby-squid-and-tardigrades-launched.html

https://www.youtube.com/watch?v=ZT8YswmQuAg

https://www.youtube.com/watch?v=IxndOd3kmSs

https://www.youtube.com/watch?v=U9YoHJJLsbE

#### **Done early**

#### Done early? Check these sites about adaptations!

- Info on adaptations: https://www.nationalgeographic.org/encyclopedia/adaptation/
- Examples of adaptation:
  https://files.mccdistrict.org//self%20guided%20opportunities/Amazing%20Animal%20Adaptations.pdf
- Simulation: https://connected-bio-spaces.concord.org/
- Natural selection game: https://phet.colorado.edu/sims/html/natural-selection/latest/natural-selection\_en.html
- Info and game: https://studyjams.scholastic.com/studyjams/jams/science/animals/animal-adaptations.htm













## But that's not the weirdest adaptation...

#### **Weird Adaptations**

- Every ecosystem has its own set of adaptations
- Tardigrades are magical and can survive anything
- Flamingoes are okay with being frozen in ice
- Extremophiles are just crazy and everywhere
- Humans totally had adaptations as well!

#### Adaptation in the real world!

I saw this outside my doctor's office. Talk about behavioral adaptation, right?!?

