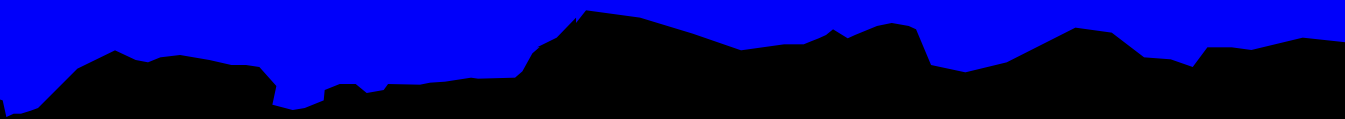
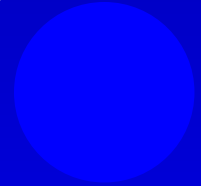


# The Wonderful World of Animals

Hibernation, Estivation, Camouflage,  
Dormancy, Adaptations, Migration

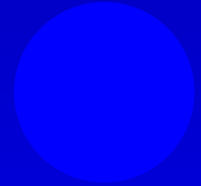
# Biological Clocks

- Responsible for keeping track of many different cycles of time



# Biological Clocks

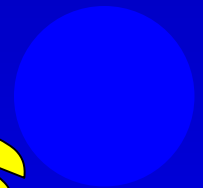
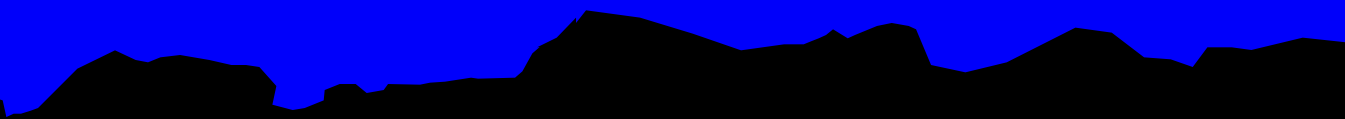
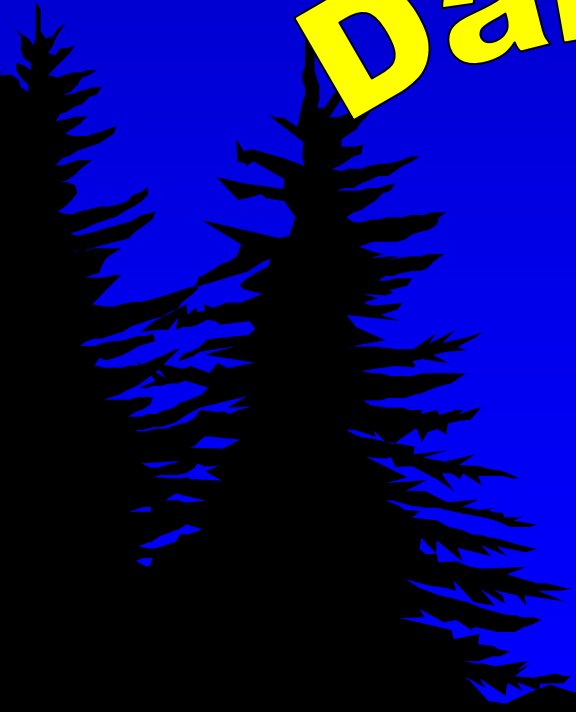
- Help Living Things stay in step with Rhythmic Cycles of Change in their environment



# Food Chains Vary Depending on:

- Weather
  - Floods- too much water kills plants & animals
  - Drought- not enough water kills plants and animals
- People
  - Building- takes away habitats
  - Pollution- makes everything dirty and kills!
  - Hunting- not following hunting laws can lead to extinction

# Daily Rhythms



# Diurnal

- Those organisms that are active during the Day

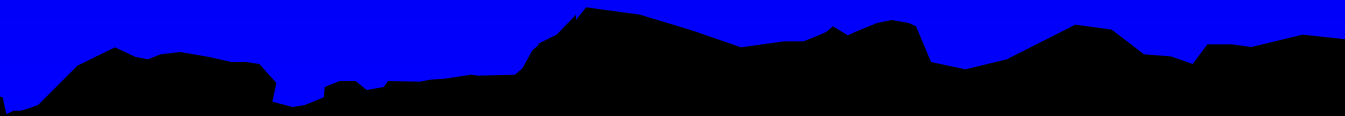
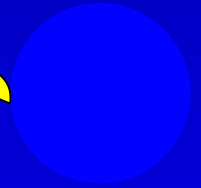
• ANY YOU KNOW OF???

# Nocturnal

- Those organisms that are active during the night

- ANY YOU KNOW OF???

# Lunar Rhythms

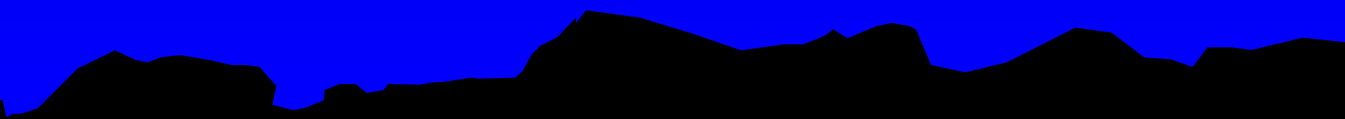
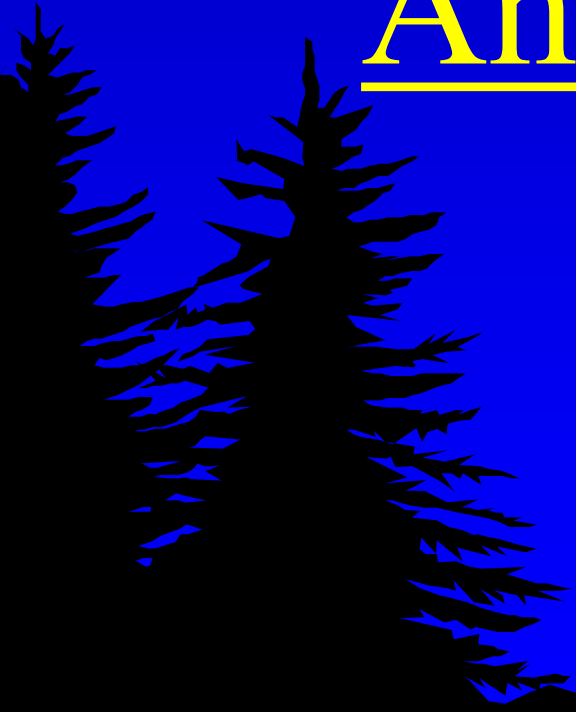
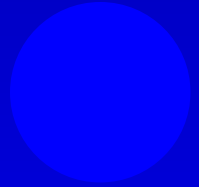




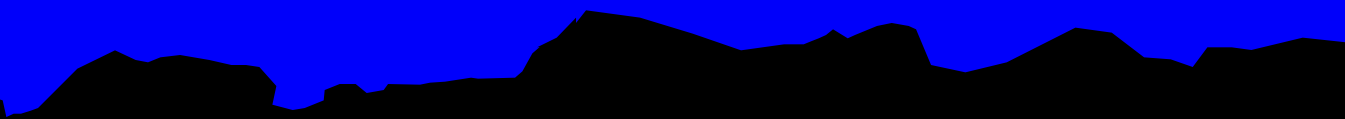
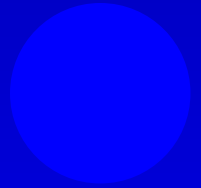
# Lunar Rhythms

- Cycles based on moon revolving around the earth.
- Ex: Tide and its effect on Organisms Activities
  - What have you seen???
  - Any in Humans?

# Annual Rhythms



# Migration





# Migration

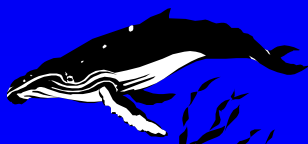
Moving from one place to another.

# Three Reasons To Migrate

- To have babies in another area
- To find food
- To live in a warmer area during the cold season or to live in a cooler area during a warm season

A colorful monarch butterfly with orange and black wings, positioned on the left side of the slide, partially overlapping a silhouette of a pine tree.

Monarch Butterfly

A silhouette of a whale breaching the water, positioned in the center of the slide.

Whale

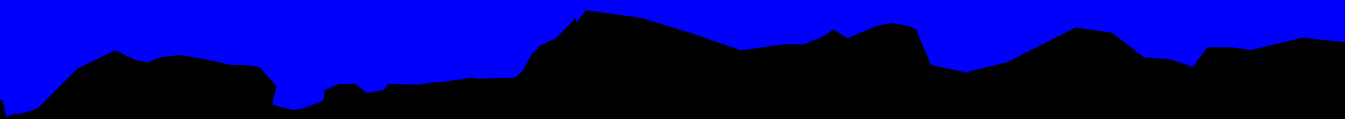
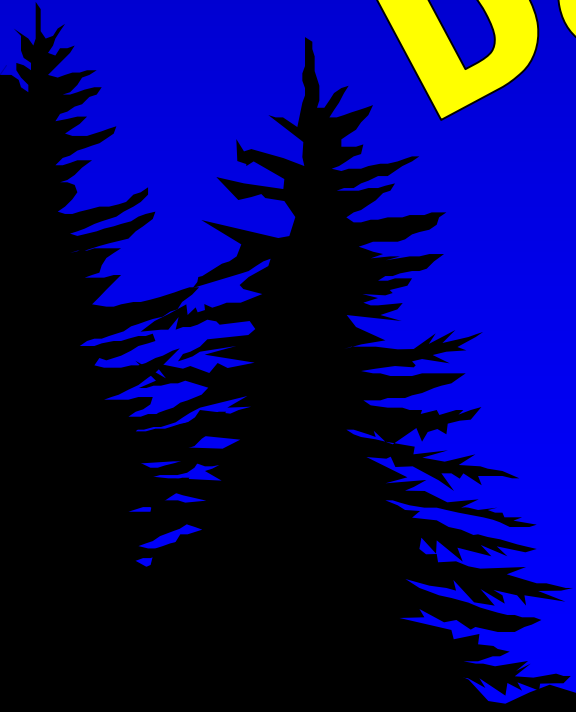
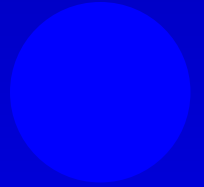
A silhouette of a bird in flight, positioned in the center-right of the slide.

Birds

A silhouette of a salmon jumping out of the water, positioned on the right side of the slide.

Salmon

**Dormancy**





# Dormancy

This is a period of inactivity. The animal does nothing!

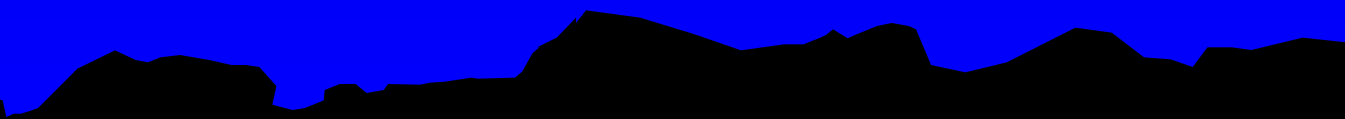
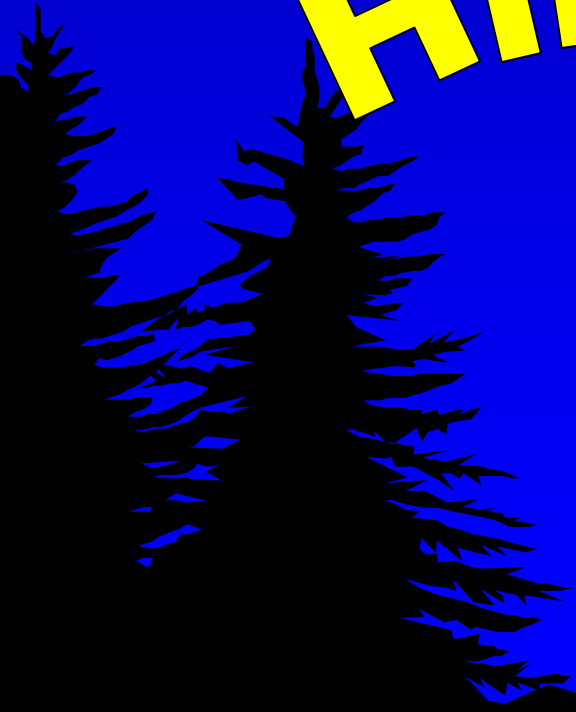
# Dormancy: The Brown Bear

- Heartbeat stays normal
- Temperature stays warm
- Looks asleep





# Hibernation



# *Hibernation*

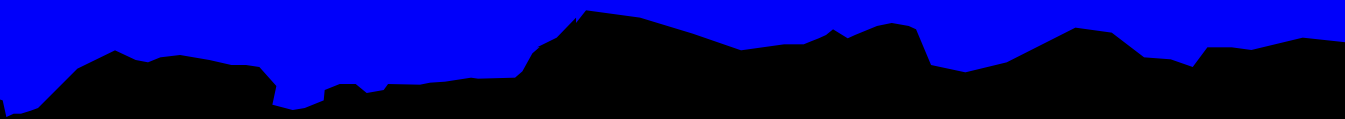
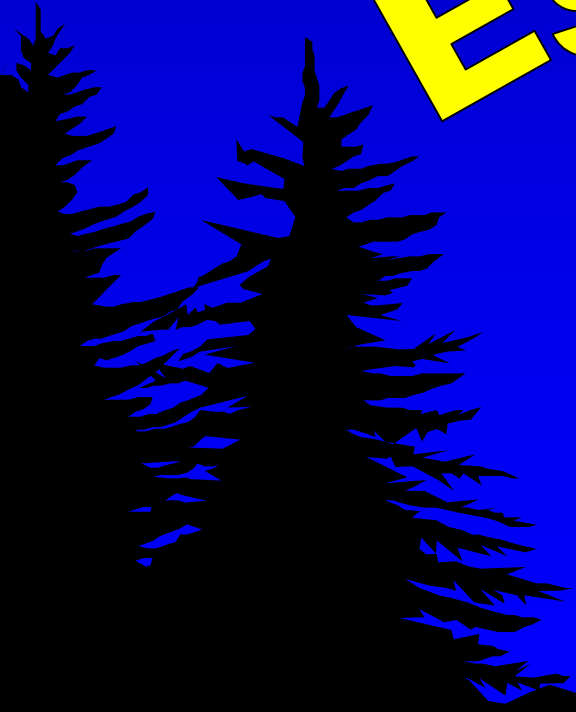
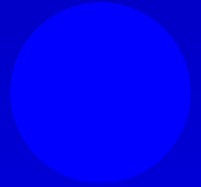
- This is a state of sleep that some animals enter into during the winter.
- They are protected from the cold.
- They need less food to survive.

# Hibernation: The Groundhog

- Inactive during the winter
- Stays warm
- Needs less food



**Estivation**



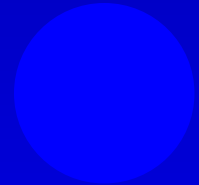


# Estivation

Animals that estivate are protected from dryness during hot, dry periods.

# Estivation: The Snail

- **Breathing** *slows down*
- **Heartbeat** *slows down*
- **Because** everything slows down *they don't need as much water during hot days.*
- The snail secretes a mucus to seal it's shell.
  - **Mucus-** a slimy like juice that protects
- Once the shell is sealed, they attach to something for extra protection.



# Each Habitat Has The Things Its Animals Need

- Food
- Water
- Shelter

