

# **Adaptations CLASS SET** - please return to the handout box at the end of the period

*Today, we are going to use web resources to learn about adaptations and natural selection.*

*Please go to my website for all links. Answer all questions in your notebook*

## **10 Animal Adaptations**

1. Follow the link.
2. Look through the examples
3. Choose a type of adaptation and do research to find an animal that has that adaptation.
  - a. Example "animals that migrates"
4. Record the information in your notebook.

## **Animal Spot**

1. Follow the link to this website
2. Choose 3 animals to research on the site
3. Scroll down to the ADAPTATIONS section.
4. Write down some of their adaptations in your notebook

## **Pepper Moth Simulation**

This website and simulation give background on this classic example of evolution. We will be digging deeper into this next week.

1. Start with LIFE CYCLE
2. What are the adaptations that have developed in the peppered moths?
  
3. Go to IMPACT OF POLLUTION
4. What environmental reasons caused the 'favorable trait' in the peppered moths to change?
5. What was the selective force that determined the favorable trait?
  
6. Go to KETTLEWELL'S EXPERIMENTS.
7. Read about Kettlewell's experiments.
8. What were his two basic experiments?
  
9. Go to BIRDS EYE VIEW.
10. Do the simulation in both the light and dark forests.
11. What happens to the populations of the two colors during the simulation?

## **Animal Adaptation Project**

Later in the unit, you will be doing a project that shows the adaptation of an animal

1. Spend some time researching animals that are interesting to you.
  - a. You can use Animal Spot, the National Geographic link, or just a general search.
2. Write down some information about an adaptation that each animal has developed.
3. Write down other information about each animal such as habitat, diet, etc.

## **SEPUP Natural Selection Simulation**

This is a simulation that can take some skill to use. Do only if you have time at the end.

1. Do all of the questions in your notebook.
2. Skip when it says to compare groups.