**Natural Selection:**

Go to PHET (the site below is on my webpage as “EVOLUTION” under the links section)

<http://phet.colorado.edu/simulations/sims.php?sim=Natural_Selection>

1. What are some interesting things that you have control over in the simulation?

2. What happens to the bunny population if a friend is never added? Why is this?

3. What happens when you add a friend?

4. What happens if food is infinite and no predators enter the picture?

5. What happens if predators are added?

**Time to explore:**

Create experiments that change this perfect world?

Variable Change- What happens to population when you change these? (be specific with each type)

Mutations:

Brown fur-

White fur-

Long teeth-

Factors:

 Wolves-

 Food-

 None-

Environment:

 Equator-

 Arctic-

Genes:

 Fur-

 Tail-

 Teeth-

**Being realistic:**

Change multiple variables and write about your discoveries of each.

***Describe these terms:***

Natural Selection-

Adaptation-

Speciation-

Write a conclusion on what you have learned and how it adds to your knowledge on evolution.