**Thursday, Oct. 9th . (Red)**

**Objectives:**

1. Compare and contrast logistic and exponential growth.
2. Know what limiting factors depend on population density
3. Know what limiting factors DO NOT depend on population density.

**Announcements:**

1. Remember to check your grade in IC frequently.
2. Vocabulary Week 6 is due Monday 10/13
3. Due Today: Random Sampling Lab
4. Due Today: Predator/Prey Graph—or finish for homework and turn in on Monday 10/13

**What we are doing today:**

1. Timesheet & Warm-Up
   1. Timesheet Weeks 7 & 8
      1. Please fill out the full heading on the top of the timesheet.
   2. Warm-Up:
      1. Do the calculations for the random sampling lab
      2. Answer the questions for the lab
      3. Turn this lab in when finished.
2. Limits to Population Growth Notes
   1. Limiting Factors that depend on population density
   2. Limiting Factors that do not depend on population density
3. Predator Prey Graph
   1. Example of a situation where 2 populations are kept at carrying capacity due to predation and limited resources.
   2. Write an 8 sentence paragraph to answer the question on the back.
      1. Use the template for your rough draft. Write the final draft on the lab activity paper.
      2. Use data in your paragraph to help support your claims.
4. Timesheet Quiz Week 7
   1. Turn in your timesheet when you are finished.
5. Vocabulary Week 6 (10 total words) Due Monday 9/13

Immigration

Emigration

Age Structure

Population Density

Carrying capacity

Exponential growth

Logistic growth

Limiting factor

Density dependent limiting factor

Density independent limiting factor