**Friday, Oct. 10th . (Gold)**

**Objectives:**

1. Identify factors that determine carrying capacity.
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 Tuesday 10/14
3. Due Today: Random Sampling Lab
4. Due Today: Predator/Prey Graph—or finish for homework and turn in on Tuesday 10/14

**What we are doing today:**

1. Timesheet & Warm-Up
   1. 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. Video: Untamed Science
2. Limits to Population Growth Notes & Reading Guide
   1. Take notes on Limits to Population Growth.
   2. Complete the reading guide using pgs. 137-141 as a resource.
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 data from your graph and what you know about limiting factors 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 Tuesday 9/14

Immigration

Emigration

Age Structure

Population Density

Carrying capacity

Exponential growth

Logistic growth

Limiting factor

Density dependent limiting factor

Density independent limiting factor