**Test #2: Sexual Reproduction**

Early next week, we will be writing our in class assessment on sexual reproduction. For this test you will be allowed to create a cheat sheet from your notes and assignments. Here is a list of the concepts covered:

* Be able to compare and contrast meiosis and mitosis
* Know what a homologous pair is, what crossing over is, and why it is important
* Understand the terms haploid and diploid and how they pertain to body and sex cells
* Be aware of the relationship between the number of chromosomes found in body and sex cells
* Have a basic understanding of the male and female reproductive systems
  + Be able to describe the path the sperm and egg travel
  + Know the main organs and the role they play in reproduction
  + Be able to identify and label them on a diagram
* Be aware of and able to explain the various strategies organisms use to increase their reproductive success and provide an example of each
* Have a basic understanding of sexual reproduction in plants
  + Know the main parts and their function
  + Be able to identify the parts on a diagram
  + Understand the process of pollination and fertilization

You will be given a couple of classes to prepare your cheat sheet for your test. If you miss class for any reason during this time you will still be expected to complete your cheat sheet on your own time.