**Questions to answer:**

1. Explain what the “Biological Species” definition is.  Describe its strengths and weaknesses.
2. Why does a biological species have to be reproductively isolated from other organisms?
3. Compare allopatric and sympatric speciation.
4. Briefly explain the following species barriers
   1. habitat isolation
   2. temporal isolation
   3. behavioral isolation
   4. mechanic isolation
   5. gametic isolation
   6. reduced hybrid viability
   7. reduced hybrid fertility
   8. hybrid breakdown
5. Compare the concepts of gradualism and punctuated equilibrium.

**Things you should make sure you understand:**

**(feel free to ask questions about them in class)**

* Alternate definitions of “species”, and why they are necessary.
* The evidence that supports that speciation is an ongoing process.