7th Life Science test Ch 7 – The Evolution of Living Things

1. Know the 3 stages of Speciation
   1. Separation
   2. Adaptation
   3. Division
2. Describe natural selection – the process where organism’s with favorable traits will survive longer and produce more offspring
3. Who was Charles Darwin – explained that evolution occurs through natural selection
4. What islands were the focus of Darwin’s studies – Galapagos Islands
5. What are the four parts of natural selection
   1. Each species produces more offspring than will survive to reproduce
   2. Individuals within a population are slightly different from one another
   3. Individuals within a population compete with one another for limited resources
   4. Individuals that are better equipped to live in an environment are more likely to survive and reproduce
6. Name one piece of evidence of a common ancestor
   1. The fossil record
   2. Comparison of embryos of distantly related vertebrates
   3. DNA presence in all living things
   4. We have the same bones but they work in a different manner
7. What is a vestigial structure and give me an example of one.
   1. The remnants of a once- useful structure (appendix, tailbone, eyebrows)