**Biology 1 Final Exam Review**

**Evolution – Chapters 14 & 15**

1. Define the following evolution terms:
   1. Divergent evolution
   2. Convergent evolution
   3. Geographic isolation
   4. Homologous structures
   5. Analogous structures
   6. Vestigial structures
   7. Gradualism
   8. Punctuated equilibrium
   9. Natural selection
2. How old is Earth and what were the conditions like on early earth?
3. Explain the three types of selection – disruptive, directional, and stabilizing.

**Viruses & Bacteria – Chapter 18**

1. Describe the lytic and lysogenic life cycles of viruses.
2. What two parts make up a virus?
3. What is a vaccine?
4. Name the three shapes and three growth patterns of bacteria.
5. What is immunity?

**Kingdoms of Living Things – Chapters 18-39**

1. Study the life function pages for each of the following kingdoms/groups:
   1. Bacteria
   2. Protists
   3. Fungi
   4. Plants
   5. Animals
   6. Humans

**Ecology – Chapter 2-5**

1. Explain the difference between a food chain and a food web.
2. Define the following ecology terms:
   1. Niche
   2. Habitat
   3. Succession
   4. Carrying capacity
   5. Limiting factor
   6. Producer
   7. Consumer – primary and secondary
   8. Climax community
3. Name the four nutrient cycles discussed in class.