Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. According to chapter 1.1 (pages 5-6), list and describe the characteristics of living things.
2. What is the difference between aerobic cells and anaerobic cells?
3. Which type of cell, an aerobic or anaerobic cell probably evolved 1st? Explain.
4. What is the difference between an autotroph and a heterotroph?
5. What are cyanobacteria?
6. How did cyanobacteria change Earths atmosphere?
7. Which probably evolved first, an autotrophic cell or a heterotrophic cell?
8. Define **endosymbiosis** using your book CH12.4 p 373.
9. What two organelles does the Theory of Endosymbiosis involve?
10. According to p591 in your text, what are mycorrhizae and how do they help plants?