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

**Accelerated Biology**

**Chapter 19 Reading Guide**

**Read Section 19.1 and answer the following questions.**

1. Make a sketch below of Figure 1 on page 412.
2. What does it tell you about the evolution of each of the kingdoms? To answer this question, fill in these blanks:
   1. Protista evolved from \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
   2. Animalia, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, and fungi all evolved from \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
   3. No organisms evolved from the prokaryotic kingdom\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
3. What 2 types of cells can organisms have?
4. What is the meaning of the word heterotroph?
5. What is the meaning of the word autotroph?
6. What are the names of the 3 domains?
7. How do domains compare to kingdoms?

**Read pages 414 and 415**

1. How are bacteria and Archea the same in terms of cell type and nutrition?
2. How are bacteria and archea different in terms of cell walls and environment?

**Read pages 416 and 417**

1. What kingdoms belong to the domain Eukarya?
2. What makes cells in organisms in the domain Eukarya different from cells of organisms in the other two domains?

**Read page 420**

1. What characteristic makes something a protist?
2. Because we did not see protists in the Pond lab, go to my wiki and watch the video on protists. Draw at least 3 different protists below:

**Read Page 421**

1. Why were fungi previously put in the plant kingdom?
2. Why are fungi not plants?
3. Why are fungi not animals?

**Read pages 422 and 424**

1. Plants are not the only photosynthetic organisms. What makes them different from algae, which are protists?
2. What makes animals different from heterotrophic protists?