Name _____ Class _____ Date _____

Introduction to Cells

1. Who was the Englishman that looked at slices of cork, and called the cambers he saw "Cells"? **Robert Hook**

2. List the three parts to Cell Theory.
   a. **All living things are composed of cells**
   b. **Cells are the basic unit of structure and function in living things**
   c. **New cells come from other cells**

3. Describe prokaryotic cells.
   a. **Do not contain a nucleus**
   b. **Are smaller and simpler**
   c. **Single cell organisms**

4. Describe eukaryotic cells.
   a. **Eukaryotes have a nucleus**
   b. **Usually larger and more complex**
   c. **Highly specialized**
   d. **Genetic material is separated from the rest of the cell in a nucleus**
   e. **Can be a single cell or multicellular organism**