

Name _____ Period _____

1. What is the science of grouping organisms based on their evolutionary characteristics called?
2. Why is classification important to biologists?
3. Who was the first person to classify organisms? What two groups did he use?
4. Who invented the binomial nomenclature system of naming organisms?
5. What are the seven taxon levels in order from least specific to most specific?
6. What is the difference between a prokaryote and a eukaryote? Which one is more primitive?
7. What is a domain? What are the three domains?
8. What are the six kingdoms of organisms?
9. How would a biologist determine if two organisms belong to the same species?
10. The African lion belongs to the genus *Panthera* and species *leo*. Write its scientific name below.
11. Fill in the chart below. Include the following characteristics:

- Unicellular/multicellular
- Prokaryotic/eukaryotic
- How they obtain food
- Do they have a cell wall
- Can they photosynthesize
- Example organism

Euacteria	Archaeobacteria	Protista	Fungi	Plantae	Animalia