Use the diagrams of a plant cell and bacterial cell to fill in the chart 



Fill in the following terms in either the Eukaryotic cell column or the Prokaryotic cell column. Use the diagrams above as a guide.

Animal cell Cell Wall Nucleus Flagella

Cell Membrane cytoplasm Organelles DNA

Ribosomes golgi ER Chloroplast

Mitochondria capsule Large vacuole nucleolus

Eukaryotic Cell Prokaryotic cells

1. Plant cells 1. Bacteria ONLY

Answer the Questions

1. **If a cell of an organism contains a nucleus, the organism is a(an)**
	1. **Plant only c. Animal only**
	2. **Eukaryote d. Prokaryote**
2. These cells contain a true nucleus, are large, and contain specialized organelles:
	1. Prokaryotes
	2. Eukaryotes
	3. Prokaryotes and eukaryotes (all cells)
	4. Neither prokaryote nor eukaryote
3. **\_\_\_\_\_ Prokaryotic organisms are commonly called**
	1. **Plants c. Bacteria**
	2. **Fungi d. Animals**
4. \_\_\_\_\_Which structure is found only in eukaryotic cells?
	1. nuclear membrane c. cell membrane
	2. DNA d. ribosomes

**5. How do eukaryotic and prokaryotic cells compare to one another?**

 **a. Both types of cells have nuclei.**

 **b. Prokaryotic cells and eukaryotic cells both have**

 **ribosomes.**

 **c. Prokaryotic cells have a cytoskeleton, but**

 **eukaryotic cells do not.**

 **d. Chloroplasts are present in prokaryotic cells, but**

 **not in eukaryotic cells.**

6 . In which cell type is a circular strand of DNA found in the cytoplasm?

 a. animal cell c. eukaryotic cells

 b. plant cells d. prokaryotic cells

**7 Which structure is found in a prokaryotic cell?**

 **a. vacuole c. ribosome**

 **b. chloroplast d. mitochondria**

8 Which best describes how eukaryotic and prokaryotic organisms are similar?

 a. Both have nuclei.

 b. Both have a cell wall.

 c. Both have ribosomes.

 d. Both have membrane-bound organelles

**9 Which statement most accurately describes an eukaryotic cell?**

 **a. Eukaryotic cells can divide faster than prokaryotic**

 **cells.**

 **b. DNA replication occurs much more rapidly in**

 **eukaryotic cells.**

 **c. Organelles in eukaryotic cells have a specific function**

 **for cell survival.**

 **d. Eukaryotic cells are better able to act as unicellular**

 **organisms than prokaryotic cells.**