

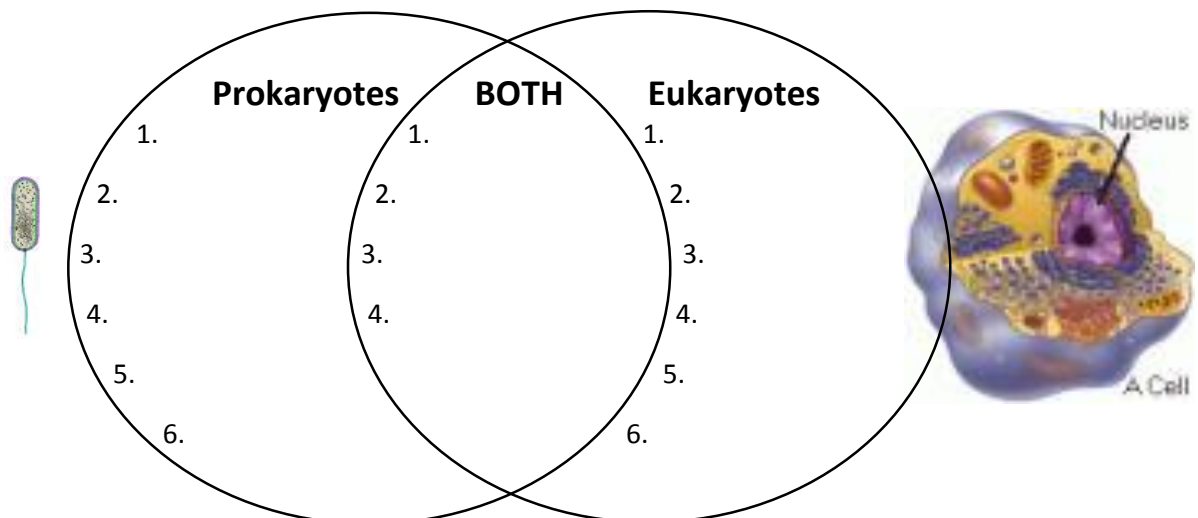
Name: _____ Date: _____ Period: _____

Evidence 1: Cell Comparison Regular

Option 3: Video

Go to www.biologybynapiet.com, select the Cell Unit in left margin scroll down to Evidence 1: Cell Comparison and click on the link "Prokaryote vs Eukaryote" to watch the video. Answer the questions below while watching the video.

1. What are the two major type of cells?
2. Which one has been around the longest?
3. Why is it good for prokaryotes to be so much smaller than a eukaryotic cells?
4. What does the word "prokaryote" mean?
5. List the 5 main parts of a prokaryotic cell.
6. What do many prokaryotes have for movement?
7. What surrounds the organelles in eukaryotes that does not surround the organelles in prokaryotes?
8. What does the word "eukaryote" mean?
9. What is the difference in shape of DNA between prokaryotes and eukaryotes? Be specific.
10. Fill in the Venn Diagram below as it is done in the video.



Cells vs Viruses

Using the information about prokaryotic and eukaryotic cells and your previous knowledge on viruses, fill in the chart below. Place an X in the box if the cell or virus contains the structure.

Structure	Eukaryote	Prokaryote	Virus
Cell membrane			
Cell wall			
DNA			
Ribosomes			
Nucleus			
Membrane bound organelles			