



Amoeba Sisters | Video Recap

NAME: _____

Amoeba Sisters Video Recap: Prokaryotic vs. Eukaryotic Cells

1. The boxes below represent the three **domains** that all organisms can be classified in: Bacteria, Archaea, and Eukarya. Which of these domains consist(s) of **prokaryotes**?

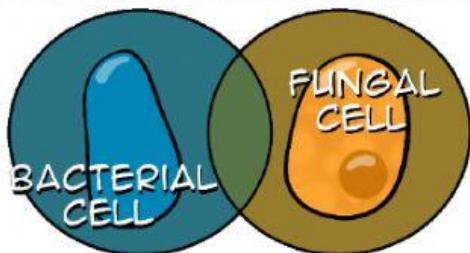


2. For the following **organisms**, indicate whether they are considered **prokaryotes** (place a "P") or **eukaryotes** (place an "E").

Animal Plant
 Bacterium (Note: Plural is Bacteria) Protist
 Fungus (Note: Plural is Fungi)

3. Based on what you know about **prokaryotic** cells and **eukaryotic** cells, the **bacterial cell** shown in the Venn diagram below is a _____ cell while the **fungal cell** is a _____ cell.

4. Based on your knowledge about prokaryotic cells and eukaryotic cells, what are three structures the cells shown below would have in **common**?



In the video, a mnemonic is mentioned. "Pro" (in **prokaryote**) rhymes with "no." "Eu" (in **eukaryote**) rhymes with "do." Please complete the following sentence stems to show some **differences** between these two cell types using the mnemonic.

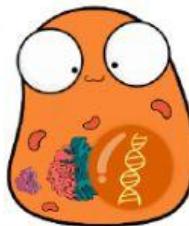
5. Prokaryotes have **no** _____.

6. Eukaryotes **do** have (a) _____.

Prokaryotic Cell
rhymes with "no"



Eukaryotic Cell
rhymes with "do"





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7. At the end of the video, there's a vocabulary challenge mentioned. Can you use the vocab to create your own sentences to compare and contrast prokaryotic cells with eukaryotic cells? If you need more space, you can attach an additional sheet of paper.

Vocabulary to Include:

The alphabetized vocabulary words from the video have been listed below. Please **check them off** as you use them and **underline** them in your writing so they are easy to find!

- Animal Cells
- Archaea
- Bacteria
- Cell Membrane (Plasma Membrane)
- Cell Wall
- Cytoplasm
- DNA
- Eukaryote/Eukaryotic
- Fungus Cells
- Genetic Material
- Membrane-bound Organelles
- Multicellular
- Nucleus
- Plant Cells
- Prokaryote/Prokaryotic
- Protist Cells
- Ribosomes
- Unicellular

