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 ? | 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? | | |
| BACTERIA | | | |
| 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) | BACTERIAL CELL CELL | | |
| 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 Cel | | | |
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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 |
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