

•Use the following presentation to answer this worksheet.



## CELLS: PROKARYOTE AND EUKARYOTE SIMILARITIES AND DIFFERENCES

NAME: \_\_\_\_\_ DATE: \_\_\_\_\_

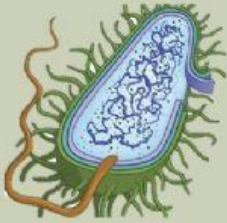
- **Find** similarities and differences in prokaryote (bacteria) and eukaryote (animal and plant) cells.
- **Check** the boxes if that type of cell has that part.

| DESCRIPTION                                           | Bacterial Cells | Plant Cells | Animal Cells |
|-------------------------------------------------------|-----------------|-------------|--------------|
| 1. DNA for instructions and reproduction              |                 |             |              |
| 2. Real nucleus to store the DNA                      |                 |             |              |
| 3. Plasma membrane or cell membrane to protect        |                 |             |              |
| 4. Cell wall for <u>extra</u> protection              |                 |             |              |
| 5. Structures to process food and energy for the cell |                 |             |              |
| 6. Cytoplasm to hold everything inside                |                 |             |              |



- **Relate** the drawing of the cell to the correct name

Eukaryotic  
(animal cell)



Prokaryotic  
(bacterial cell)



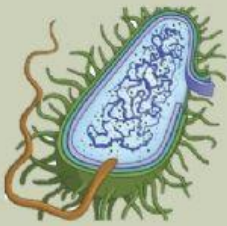
Eukaryotic  
(plant cell)





•Check the box to tell in which type of cell we can find these organelles or structures

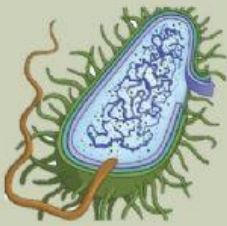
Chloroplast to transform sun energy into food





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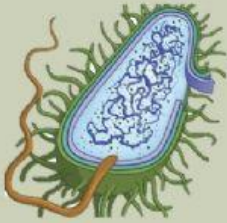
Mitochondria to process food to energy





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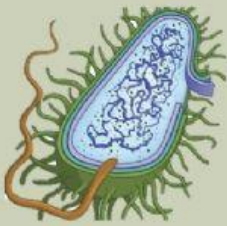
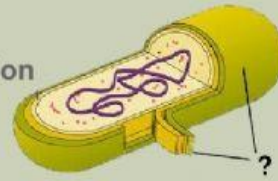
Flagellum to move





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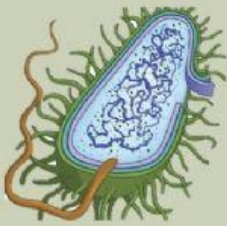
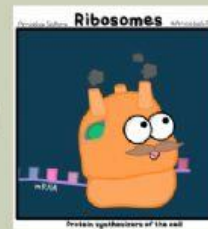
Capsule for extra protection





•Check the box to tell in which type of cell we can find these organelles or structures

Ribosomes to produce proteins from food





- **Relate** the type of cell with the correct type of organism

Prokaryotic



Eukaryotic

