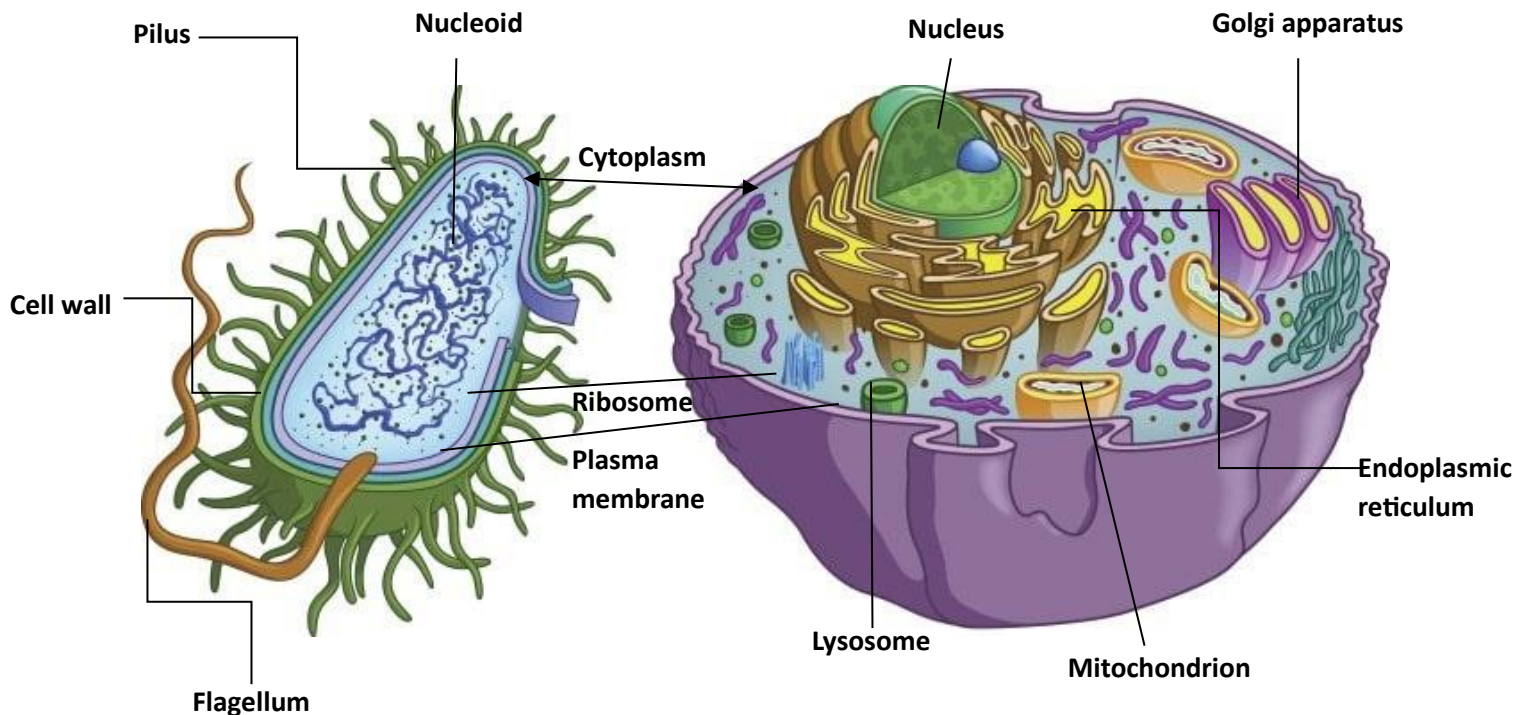


Locate a diagram of a Eukaryotic and Prokaryotic cell. Compare this with a micrograph of the same cell type and identify its parts

### PROKARYOTIC CELL

### EUKARYOTIC CELL



Question: **Why is the selectivity and specificity of transport mechanisms important to the cell?**

Answer:

For the cell to remain functionally organized, selectivity in this kind of transport is essential. Lysosomal enzymes, for instance, need to be delivered from the Golgi apparatus to lysosomes and not to the ER or the plasma membrane.

Reference:

YUL LLC. (2018, May 11). *Prokaryotes vs Eukaryotes - The differences and similarities*.

This One Vs That One. <https://thisonevsthatone.com/prokaryotes-vs-eukaryotes/>

Rachael. (2022, March 3). *Eukaryotes and Prokaryotes – What are the Similarities,*

*Differences, and Examples*. Rs' Science. <https://rsscience.com/eukaryote-prokaryote/>