

Outline the cell theory and give evidence.

What are the differences between prokaryote and eukaryote cells?

What are the types of microscopes used to study cells?

What are the relative sizes of molecules, membranes, viruses, bacteria, organelles and cells?

What are the major organelles in eukaryote cells and what are their functions?

Draw and annotate E.coli ultrastructure with their functions.

Draw and label a diagram of the ultrastructure of a liver cell with annotated functions.

What are three differences between plant and animal cells?

What are two roles of extracellular components?