



11. Eukaryotic Cells

Name the three main layers of the plant cell wall, and list the chemical components of each layer.

Describe the general structure and function of the nucleus.

Describe the basic structure and function of each of the following cell components:

cytoplasm, vacuole, ribosome, endoplasmic reticulum, Golgi complex, lysosome, peroxisome, chloroplast and mitochondrion.

Describe the origins of Chloroplasts and Mitochondria

List the components of the cytoskeleton, and describe its general role in the cell.