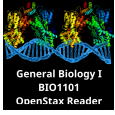


11. Eukaryotic Cells

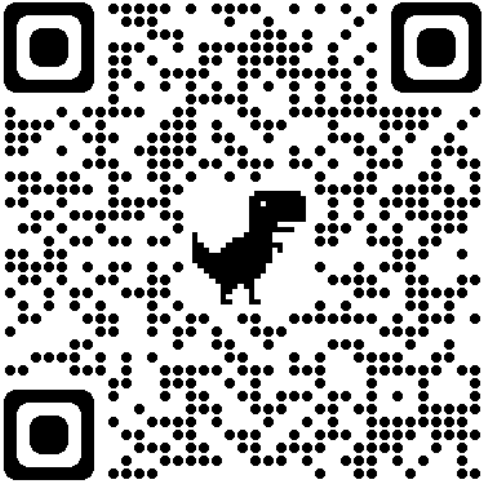
1. Name the three main layers of the plant cell wall, and list the chemical components of each layer.
2. Describe the general structure and function of the nucleus.
3. Describe the basic structure and function of each of the following cell components: cytoplasm, vacuole, ribosome, endoplasmic reticulum, Golgi complex, lysosome, peroxisome, chloroplast and mitochondrion.
4. Describe the origins of Chloroplasts and Mitochondria
5. List the components of the cytoskeleton, and describe its general role in the cell.



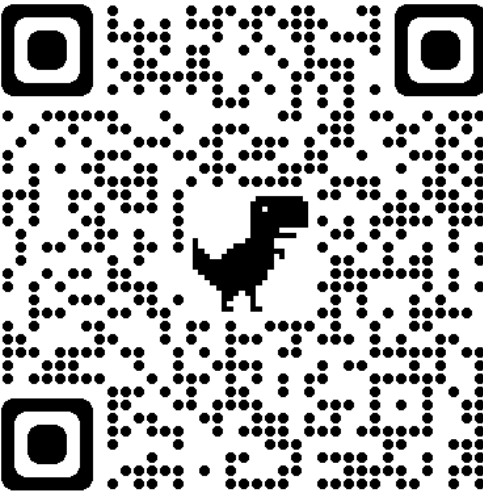
Interactive annotated model of Human Eukaryotic Cell and its main components Credit: [eLearning UMCG \(CC-BY-NC-SA\)](#)



11. Eukaryotic Cells



Annotated Animal Cell Interactive
Credit: [montanna](#) (CC-BY 4.0)



Interactive Annotated Plant Cell
Credit: [Interactive Art](#) (CC-BY 4.0)