

The nucleus is the command centre of a cell. A nucleus diagram is very useful for studying its structure. Its structure consists of the following important parts: The nuclear membrane– This is an aspect of the nucleus that differentiates eukaryotic cells from prokaryotic cells. Furthermore, it consists of enzymes, organic molecules, and dissolved salts. Therefore, it consists of a number of structural elements which facilitate its functions. Further, the main parts of genes consist of kinetochores, telomeres, and chromatids. Moreover, they are made up of strands of DNA as well as histone proteins. Moreover, it contains phospholipids. This forms the lipid bilayer nucleus envelope. Nuclear pores are made up of proteins and through them, substances enter and exit the cell.