

The Cellular Level of Organization

- o Basic, living, structural and functional unit of the body – compartmentalization of chemical reactions within specialized structures – regulate inflow & outflow of materials – use genetic material to direct cell activities
- o Cytology = study of cellular structure
- o Cell physiology = study of cellular function

0 Generalized Cell Structures

- o Plasma membrane = cell membrane
- o Nucleus = genetic material of cell
- o Cytoplasm = everything between the membrane and the nucleus
- cytosol = intracellular fluid
- organelles = subcellular structures with specific functions

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The Typical Cell

- o Not all cells contain all of these??????...