

Parts of a cell

Part of cells	Nature	Location	Function
1.Cell wall	Non living, fully permeable, composed of cellulose	Present only in plant cells	Provide rigidly shape and protection.
2. cell membrane (plasma membrane)	Living, semi permeable	In both animal and plant cells.	Control entering and outgoing of substance from the cell.
3. endoplasmic reticulum	Living, tubular structure. When E.R is studded with ribosomes, it is called "ROUGH E.R" When E.R lacks ribosomes, it's called "SMOOTH E.R"	In both animal and plant cells	Transporting function of protein which synthesized by the ribosomes.
4. mitochondrian	Living, surrounded by 2 membranes. OVAL SHAPED ORGANELLE.	In both animal and plant cells.	Production of energy through respiration (aerobic). It is utilized for all the metabolic activities.
5. golgi body	Living, tubular organelle	In both animal and plant cell	Secretion, storage and transportation of hormones and enzymes. IT WORKS AS A SYSTEM OF INTERNAL AND PROCESSING.