



Academy Of Health Sciences, Lodhran

Cell

1. What is cell?

2. Differentiate prokaryotic and eukaryotic cells

Prokaryotic cell	Eukaryotic cell

3. What are the main components of cell

Parts	Components	Description
Cell membrane	Lipid bilayer	
	Glycoproteins	
Nucleus	Nuclear membrane	
	Nuclear pore	
	Nucleoplasm	
	Nucleolus	
	Chromatin	
	Chromosome	
Cytoplasm	Ribosomes	
	Golgi bodies	
	Endoplasmic reticulum	
	Mitochondria	
	Vacuole	
	Lysosomes	
	Plastids	
	Centrioles	
Cytosol		



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4. Differentiate animal and plant cell

Animal cell	Plant cell

5. Define the following terms

Terms	Definition
Diffusion	
Facilitated diffusion	
Active transport	
Endocytosis	
Pinocytosis	
Phagocytosis	
Filtration	
Osmosis	
Hypertonic solution	
Hypotonic solution	
Isotonic solution	
Exosmosis	
Endosmosis	

6. Describe the different types of cells in our body varying in shape and size