CLASS 9th- THE FUNDAMENTAL UNIT OF LIFE — ANWAR ACADEMY

Topics to be Governor 22 The Fundamental Unit of Life: Cell What is a Cell Made Un of 2 1177 Organization

- What is a Cell Made Up of? What is the Structural
- Organization of a Cell?
- Cell Theory
- Prokaryotic and Eukaryotic Cell
- Structure of Cell
- Plasma Membrane
- Cell Wall
- Nucleus
- Cell Division (Mitosis and Meiosis)

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Movement Across Cell Malabrane 1 Diffusion

1. Diffusion 22
"A spontaneous Inovement of molecules from a region of high concentration to lower concentration."

- Rate of diffusion -
- Gases > Liquids > Solids
- Showed by small size substances

Examples: ions/molecules, CO₂, Oxygen, Water

- Due to cellular activities, CO₂, production takes place.
- Concentration of CO₂ inside cell > Concentration of CO₃ in external environment
- CO₂ leaves the cell through diffusion

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Parts of Cell: Cytoplasm

- Parts of Cell: Cytoplasm

 Parts between plasma mentagine and nuclear envelope.
- Cytosol Aqueous tround substance of cytoplasm
- Cell organelles are practifit in cytosol.

