

CHAPTER 1. FUNDAMENTAL STRUCTURAL COMPONENTS AND CHEMICAL STRUCTURES OF CELL MEMBRANES

With the cell, biology discovered its atom....

The **cell** is the basic structural, functional, and biological unit of all known organisms.

The first cell probably came into being when a membrane formed, enclosing a small volume of aqueous solution and separating it from the rest of the universe.

Membrane is thin flexible layer which is surrounding or separating animal or plant tissues

Cell membrane has also a dynamic structure

Membranes define the external boundaries of cells and regulate the molecular traffic across that boundary.

The cell membranes are 5 to 8 nm (50 to 80 Å) thick and appear trilaminar when viewed in cross section with the electron microscope.