

BIOLOGICAL FRAMEWORKS FOR ENGINEERS

Session #4 [nm - m: Cells]

General Objectives:

- ✓ Overview of cells, types, and functions
- ✓ Discuss cell organelles and functions
- ✓ Examine the basic building blocks of cells

Central Framework:

- ✓ The cell is the structural and functional unit of all living organisms

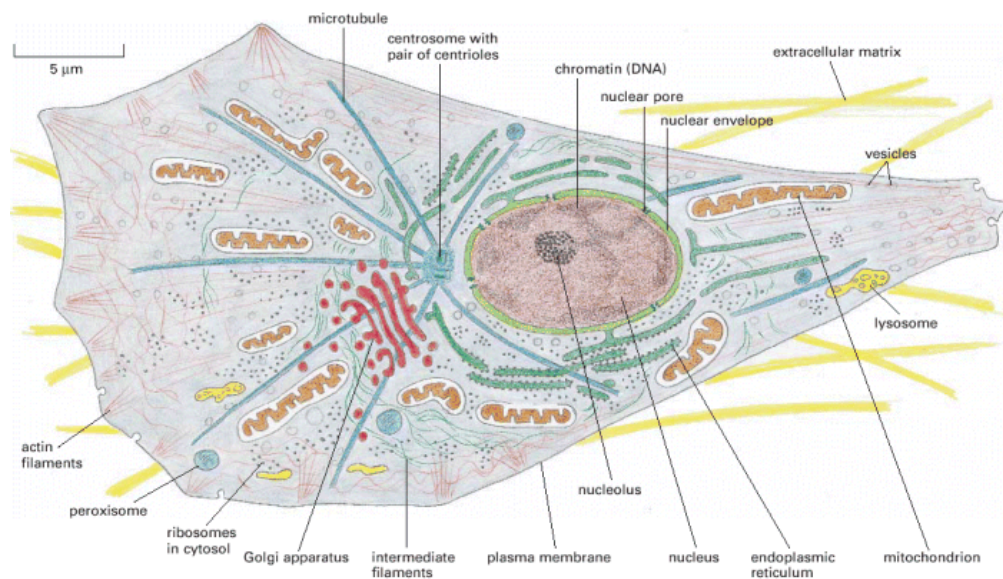
Interactive Activity:

- ✓ Worksheet on biological and engineering parallels regarding the cell

Session Outline:

- I. What are Cells?

- II. Prokaryotic vs. Eukaryotic



III. Basic Building Blocks:

Nucleic Acids

Proteins

Lipids

Glycans