

At the completion of this module the student should be able to:

1. name the common organelles shared by plant and animal cells
2. describe the function of plant and animal cell organelles
3. name the organelles unique to plant and animal cells
4. define isotonic, hypotonic and hypertonic
5. describe how living membranes are selectively permeable
6. describe the structure of the lipid bilayer
7. explain the movement of water with respect to cells and solute concentrations
8. define diffusion
9. describe the factors affecting the rate of diffusion
10. identify various cell types and their functions
11. explain the differences between prokaryotic and eukaryotic cells
12. give examples of members of Domain Bacteria and Domain Eukarya