Unit 1 Text Book Reading

Cell Structure and Function. Including prokarytic vs. eukaryotic cells, common characteristics, origins of eukaryptic cells, and the endomebrane system. Chapter 6.2, 26.4, 27.1

Biochemistry: Types of bonds.Importance of Water.Water Cycle Monomers vs. polymers. Dehydration synthesis and hydrolysis. Importnace of Carbon. Four major macormolecules. Nitrogen and Phosphorus cycles. 2.3 -2.4, 3.1-3.3, 4.2,4.3, 5.1-5.5, 54.4 (Water, Nitrogen, and Phosphorus Cycles)

Cell Membranes: Strucutre and Function. Transport (passive and active) 7.1-7.5, 36.1-36.3,40.1, 41.3, 41.4, 42.5, 42.7, 44.3, 44.4

Subcellular Components: Organelles. Organellar membranes. Cytoskeleton and Extra Celllar Matrix. 6.3 -6.7 2.B.3