

Mr. Foster's D.V.Honors Biology
Tentative Weekly Outline

Week of Oct.31st - Nov. 4th

Week 12

- Monday
1. Notes & discussion: Cell membrane & function
 2. Discuss & check **H.W.** ch. 5 working cell ([Membrane structure and function](#)) handout
 3. Discuss & check **H.O.** [diffusion and osmosis](#)
 4. **H.W.**- Research this question Question:
 - Why do most cells remain very small in Size?
 - Complete prelab questions (1-6) [Cell size investigation lab](#) *(we will complete this part in class tomorrow)
- Tuesday
1. Notes and discussion: active transport endo and exocytosis
 - videos: [passive transport](#) (4 min) [active transport](#) (5 min) *(download if not playing)
 2. Begin [Cell size investigation lab](#) (text pg. 54) (complete pre-lab questions)
- Wednesday
1. Continue Cell size lab (sharing and collecting data from other lab groups)
H.O. – [Working cell review](#) (begin working on this for quiz next week)
- Thursday
1. Finish and discuss: Cell size lab
 - Peer evaluate and turn in
- Friday
1. **Review** for **quiz**: working cell, energy, enzymes and cell membrane (ch . 5)
 2. Use online [text web page](#): ch. 5 working cell, (**complete the following**)
 - View Bioflix (membrane transport) animation or slide show
 - The 6 tutorials (tabs along the bottom of same bioflix) **online only*
 - Bioflix study sheet for membrane transport (in your science notebook)
 - bioflix quiz (submit online)
 3. **Quiz Monday** (*come with questions to ask Monday I will be in my room early*)

Objectives

1. Describe and explain the process of diffusion & osmosis
2. Describe how different types of osmotic solutions will affect cells.
3. Discuss and explain the process by which cell transport molecules in and out of the cell.
4. Understand the limitation on cell size (surface area to volume limitations).
5. Review over cell part functions, energy and size.