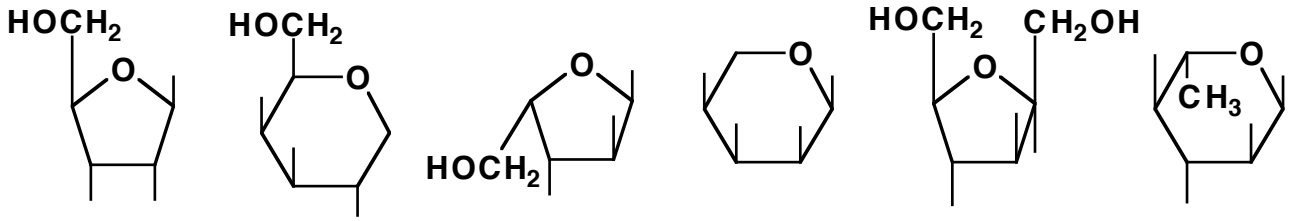
CHEMISTRY 260 BIOCHEMISTRY
Exam 2 PRACTICE QUESTIONS

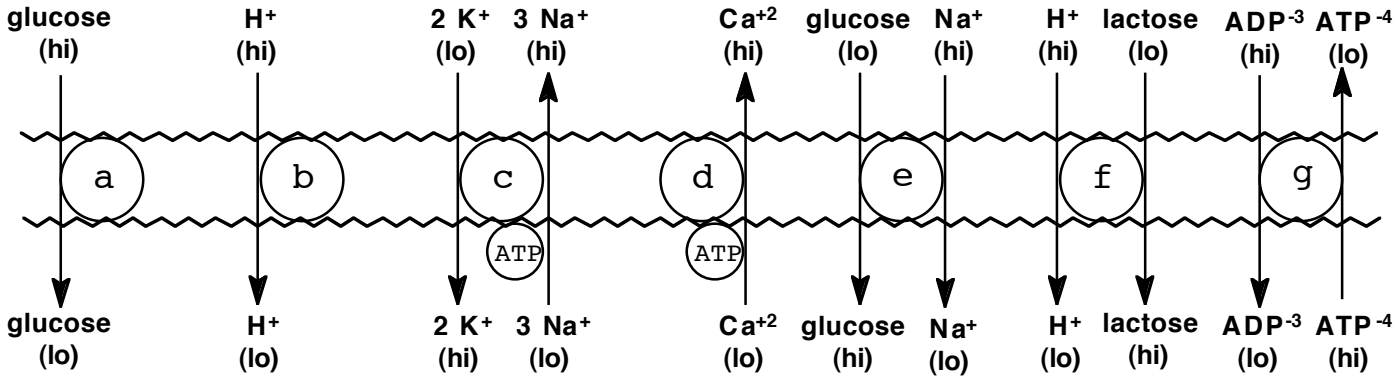
1) Textbook Chapter 8 study exercises: 5 8 13 17 19 20 31

2) Give the complete name of each of the following monosaccharides:

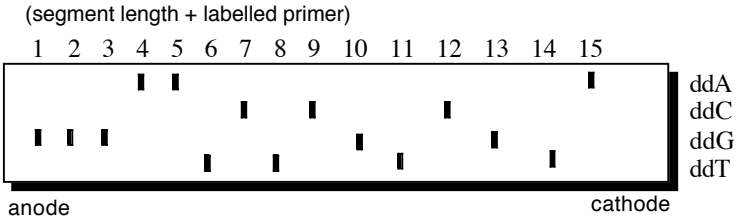


3) Textbook Chapter 9 study exercises: 3 4 5 12 13 21 25 26

4) Describe each of the following transport processes with the appropriate terms: passive , primary active or secondary active; uniport, symport or antiport; and electroneutral or electrogenic.



5) Shown below is a diagram of the final electrophoresis pattern obtained from the dideoxy method of DNA sequencing. Determine the base sequence of the DNA template that gave this result using labeled primers. Indicate 5' and 3' termini.



6) Sketch the electrophoresis pattern on a gel (indicate anode and cathode ends) for the restriction endonuclease digest at G↑GATTC on the following fragment of DNA:

GGCTTA ATATAG GGAATC GGGATT CGGATC GCATTC TATATG GGAATC TGGATT CATATA
1 13 25 37 49 60

7) Textbook Chapter 10: 2 3 4 13 14 Chapter 13: 9 24