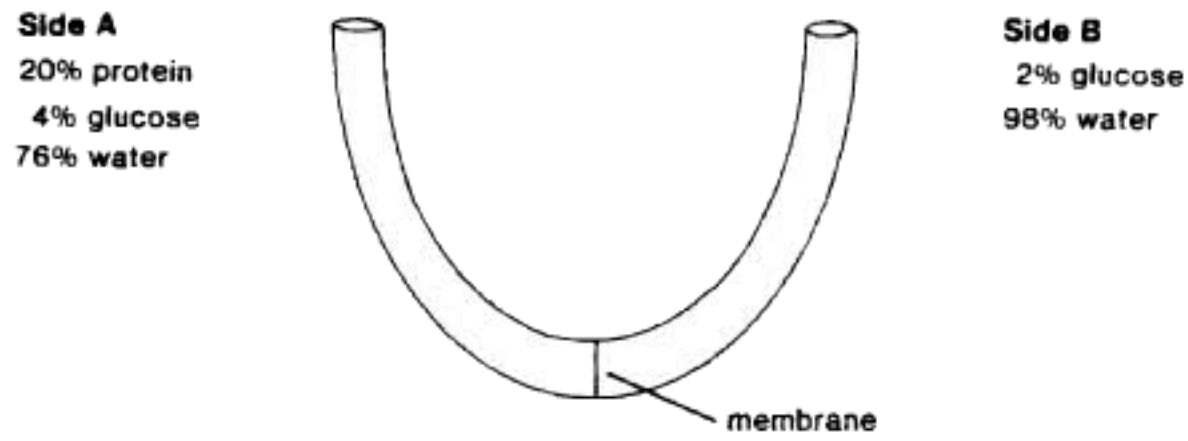


1. In the following diagram, assume that glucose and water can cross the membrane and that protein cannot.



2. Will the amount of water on side A stay the same, or increase or decrease with time? a. \_\_\_\_\_
  3. Will the amount of protein on side A stay the same, or increase or decrease with time? b. \_\_\_\_\_
  4. Will glucose cross the membrane toward side A or side B? c. \_\_\_\_\_
  5. On which side is there an osmotic pressure? d. \_\_\_\_\_
  6. What will happen to the level of solution on each side of the membrane? e. \_\_\_\_\_
- 
7. Complete this diagram to describe the effect of tonicity on red blood cells.

Tonicity	Before	After
Isotonic Solution		a.
b.		
Hypotonic Solution		c.

8. If a solution is 8% solute, it is a. \_\_\_\_\_% solvent.
9. If a solution is 99.5% solvent, it is b. \_\_\_\_\_% solute.
10. If solution A is 2% solute and solution B is 3% solute, then solution A is c. \_\_\_\_\_ to solution B which is d. \_\_\_\_\_ to solution A.
11. Compared to solution A, a solution with 2% solute is e. \_\_\_\_\_.