

7) Simple diffusion is the process by which molecules move from high solute concentration to lower solute concentration crossing the membrane (molecules moving down their concentration gradient) *with out membrane*

A) TRUE

~~B) FALSE~~

8) The solution that have the same solute concentration on both sides of the cell membrane is called isotonic solution *isotonic*

~~A) TRUE~~

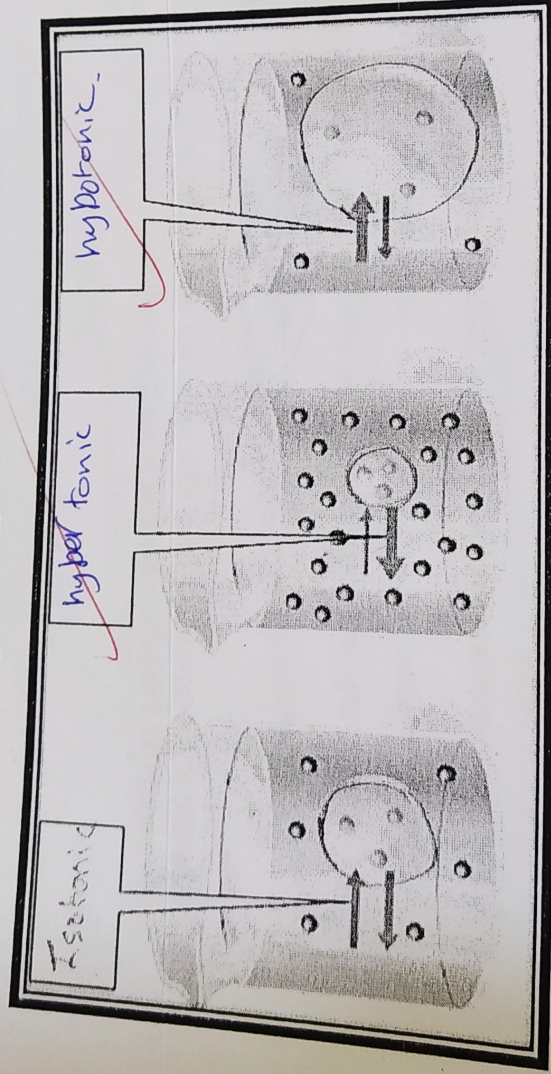
B) FALSE

9) The purpose of today's experiment is to isolate the proteins from the cell membrane.

~~A) TRUE~~

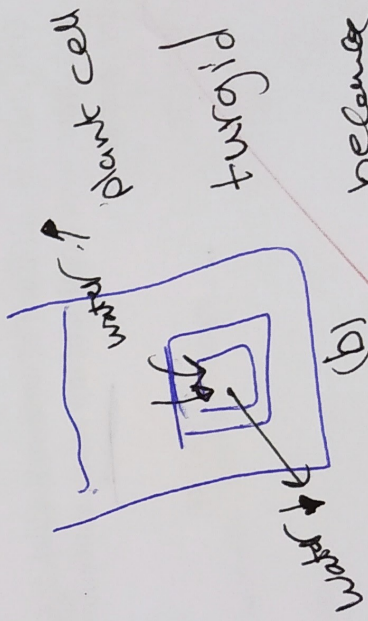
B) FALSE

(10) Label the following solutions



(11) Discuss what will happen if you place (a) blood cell, (b) plant cell in

hypotonic solutions



because its have cell wall

hypotonic:



7.5/10

BIRZEIT UNIVERSITY

Department of Biology and Biochemistry

Biology 111 Lab

Quiz#6

Name and ID

[Redacted Name and ID]

Circle the correct answer

- 1) According to the fluid mosaic model, the plasma membrane consists of proteins embedded in or attached to the surface of a fluid lipid bilayer.  
 A) TRUE      B) FALSE
- 2) As a dynamic barrier to most molecules, the plasma membrane regulates movement of solutes across its hydrophilic part into and out of cells since it is selectively permeable to solutes.  
 A) TRUE      ~~B) FALSE~~
- 3) A hypotonic solution is a solution of lower solute concentration than that inside the cell.  
 A) TRUE      B) FALSE
- 4) A hypertonic solution is a solution of lower solute concentration than that inside the cell.  
 A) TRUE      ~~B) FALSE~~
- 5) Animal cells when placed in a hypotonic solution they become lysed.  
 A) TRUE      B) FALSE
- 6) Osmosis is the diffusion of water molecules across a selectively permeable membrane from a region of low solute concentration to a region of high solute concentration.  
 A) TRUE      B) FALSE