

Department of Biology and Biochemistry
 BIOL111
 Labsheet #4 Biological membranes

Student Name and No. [REDACTED]

Date: 31/10/2017

From P → A 1.1 | A → C → A
 B → A → B 1
 C → A 1.2

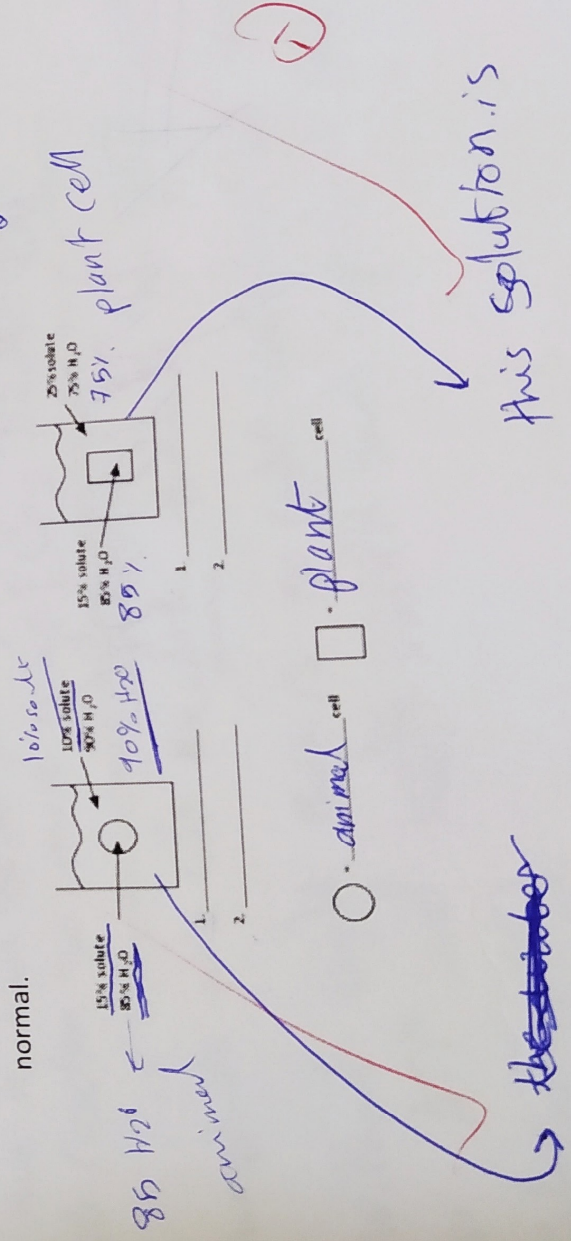
AgNO₃
 K₂FeO₄ KBr
 NaCl
 isotonic
 0.9%

1) In the diffusion in a solid experiment the Cl⁻ ion and the Br⁻ ion moved with different speeds. Please explain this result.

2) If I mixed 10 ml of red blood cells with a solution of 0.5% NaCl I would observe after a period of time the color of the solution changing from red to light pink. What happened to the cells inside the test tube?

hypotonic solution

3) Look at the diagram below and explain what happens to the cells (round = animal cell; rectangular = plant cell) using the following terms: plasmolysis, bursting, flaccid, turgid, normal.

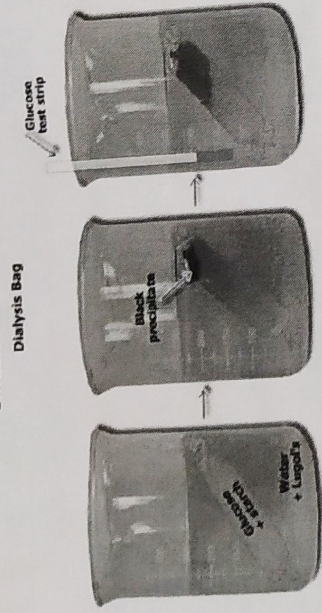


this solution is hypotonic

this solution is hypertonic

4) Explain what happened in the experiment illustrated in the figure

Diffusion and Osmosis



its hypotonic the water with IKI

move into the artificial cell
and the color change into blue dark
so that's also mean that

~~IKI~~ IKI move into the artificial cell
hypotonic