

September '21

Week-36 (245-120)

THURSDAY

02

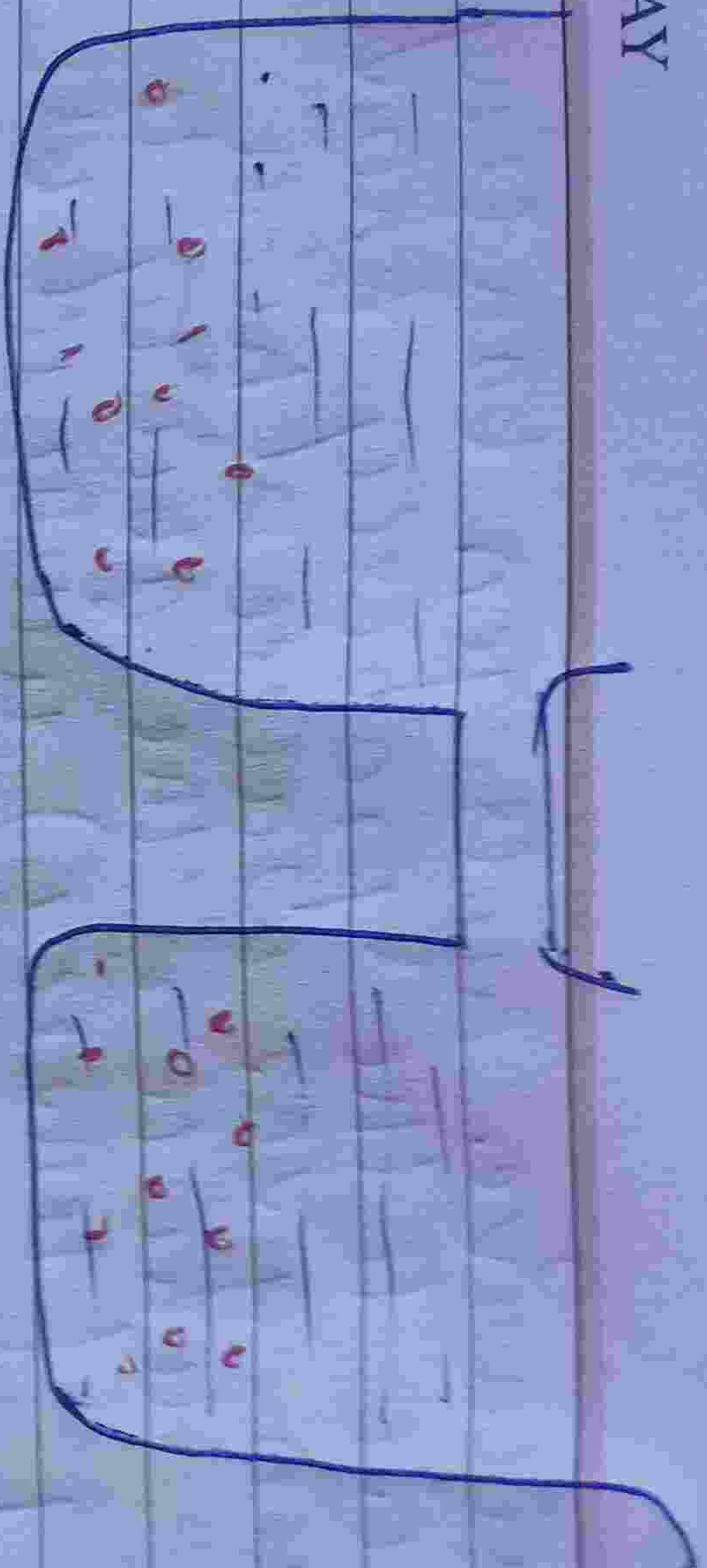
- * We extensive hydrogen bonding in water, gives rise to the property known as cohesion
- cohesion gives water a high tensile strength which is the ability to resist stretching (tension) without breaking.
- cohesion among water molecules also accounts for surface tension.

- 12 Diffusion :- Diffusion is the random movement of molecules along the concentration gradient (from an area of higher concentration to an area of lower concentration) by their own kinetic energy. It is a spontaneous and passive process. The rate of diffusion depends on several factors, viz. of molecules concentration difference, size of molecules and temperature.



NOTES
higher concentration
sugar solution

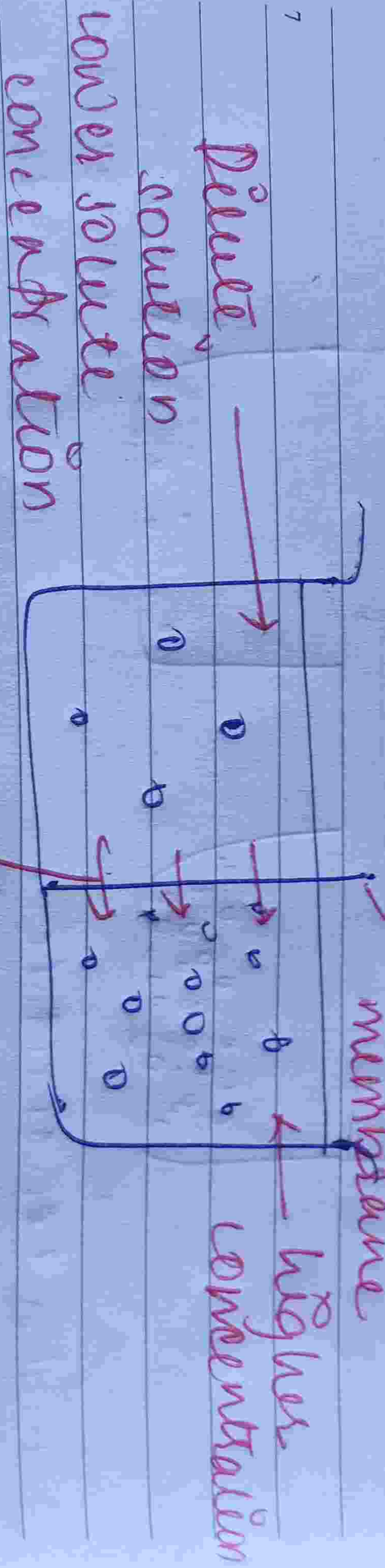
October '21						
Su	Mo	Tu	We	Th	Fr	Sa
31					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30



normal
 higher → lower
 concentration

Fig → Diffusion

3 → **Osmosis** :- It is a specialised case of diffusion that involves the passage of water through a semi-permeable membrane from a region of its higher concentration to a region of its lower concentration



NOTES

September '21
 Su Mo Tu We Th Fr Sa

1 2 3 4
 5 6 7 8 9 10 11
 12 13 14 15 16 17 18
 19 20 21 22 23 24 25
 26 27 28 29 30

Fig: **Osmosis**

Direction of flow of water