MOVEMENT OF SUBSTANCES THROUGH A CELL

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QUESTION OF THE DAY?

- What is the function of the cell membrane?

EXPLORE: WRITE QUESTIONS FOR VIDEO

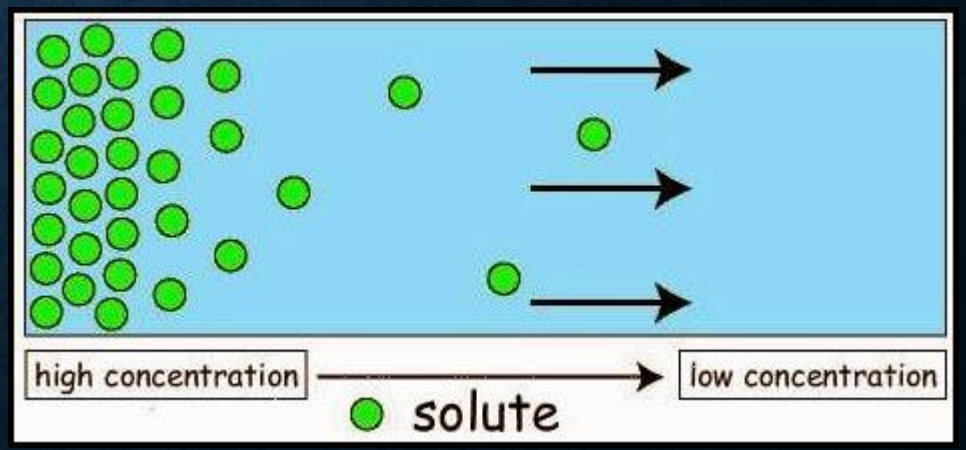
- 1. what is diffusion and name an example that occurs in the body?
- 2. What is osmosis and name an example that occurs in the body?
- 3. What happens to an animal cell and a plant cell during osmosis?

WATCH VIDEO AND ANSWER QUESTIONS

DIFFUSION

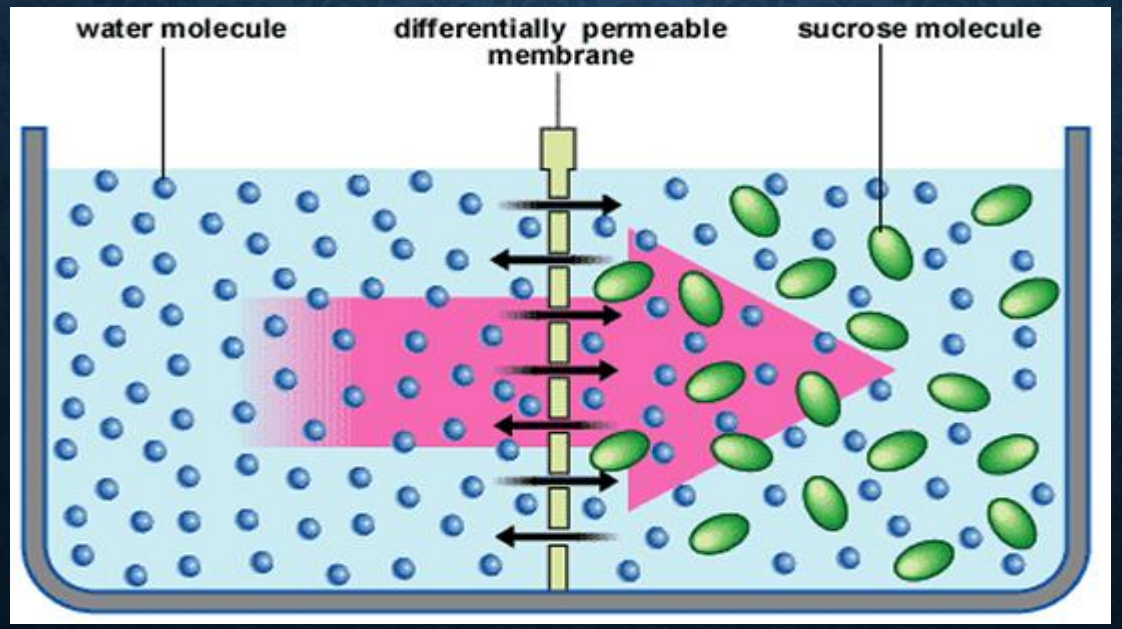
- The movement of molecules of a substance along a concentration gradient from where the substance is highly concentrated to where it is in low concentration.
- Moves through a gas or through a solution.
- Molecules or particles move around at random.
- Examples: lungs, small intestine,

Pores of leaves.

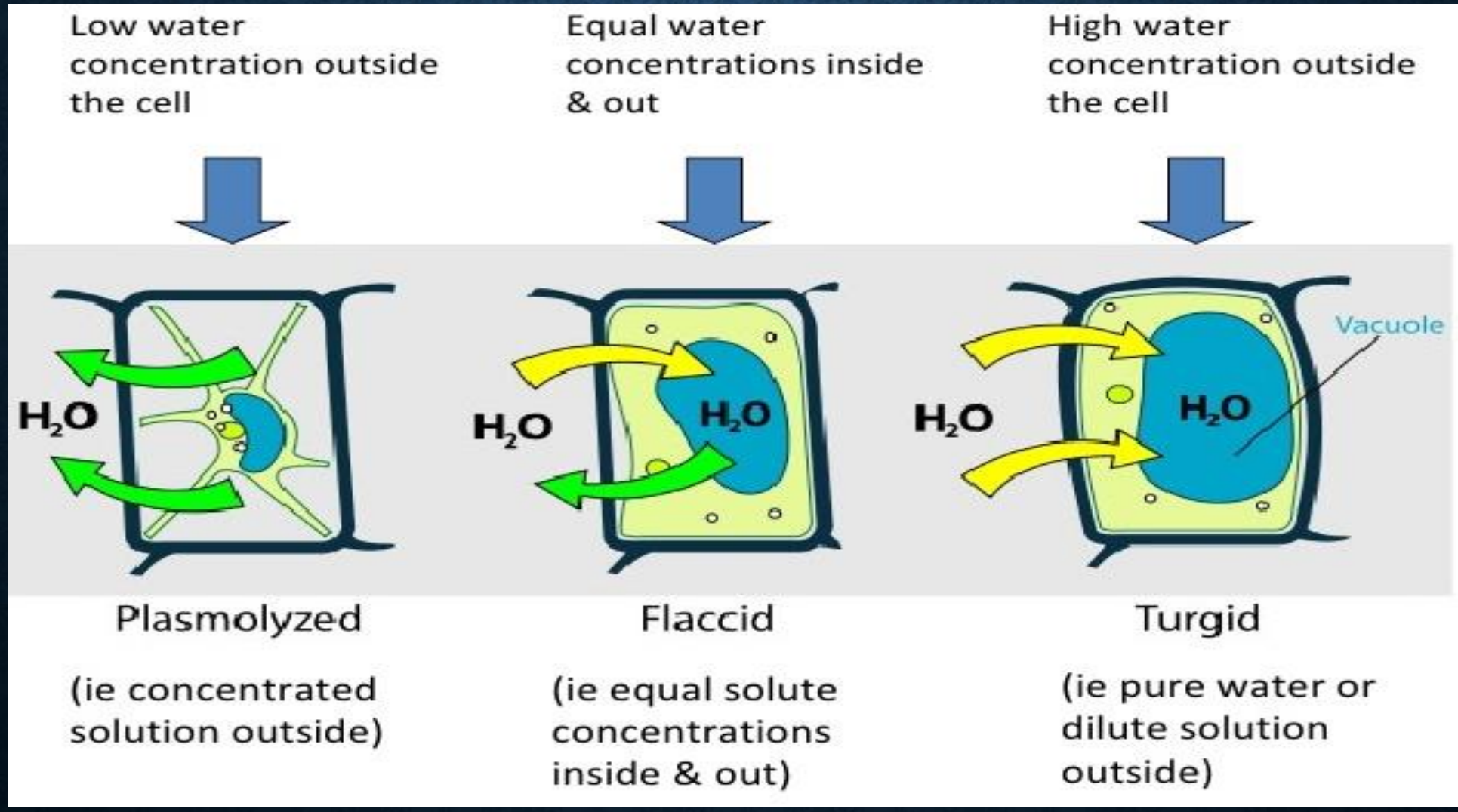


OSMOSIS

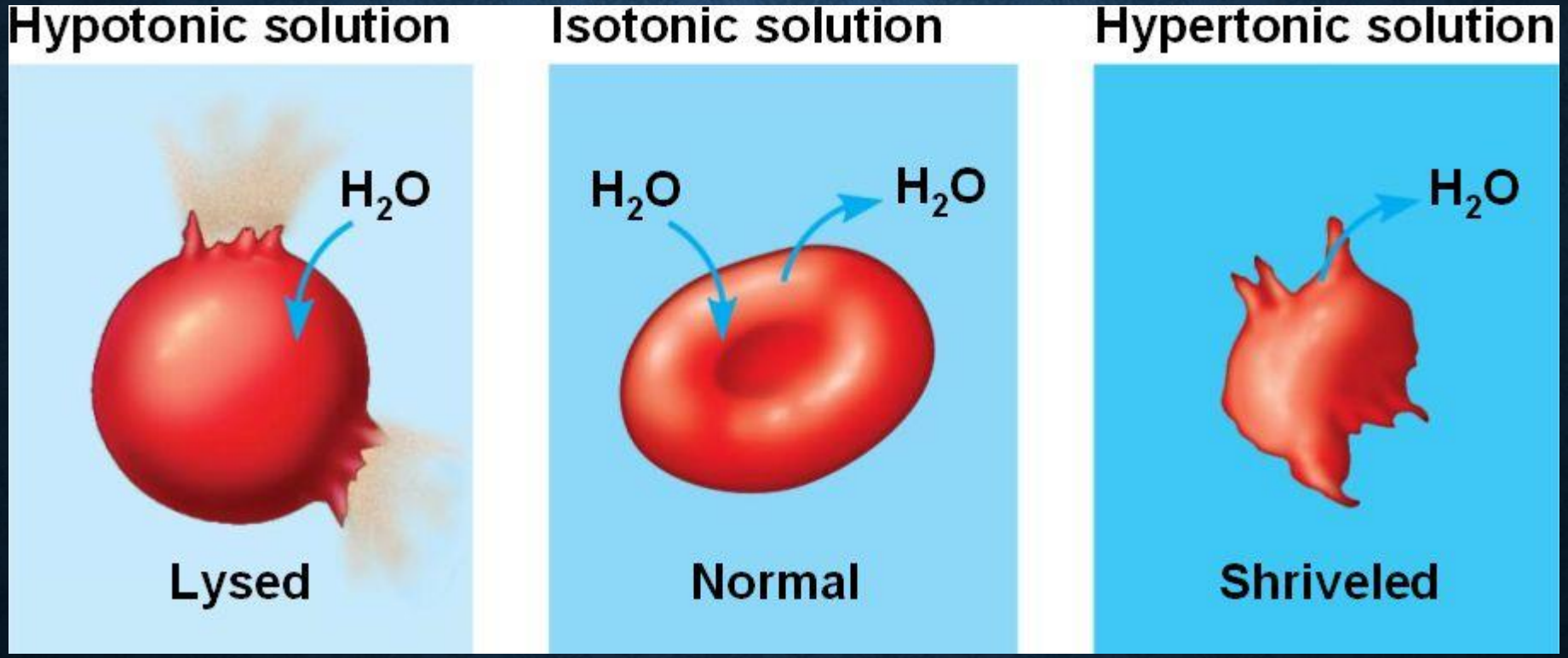
- Movement of water molecules from a more dilute solution (high concentration of water) to a more concentrated solution (low concentration of water) through a semi permeable membrane.
- ONLY water molecules pass through.
- Permeable membrane means allows things to pass through.



OSMOSIS IN PLANTS



OSMOSIS IN ANIMAL CELLS



SCENARIOS

Discuss the scenarios and time will given to present scenario

CLOSURE

- Create a table of diffusion and osmosis writing their similarities and differences.