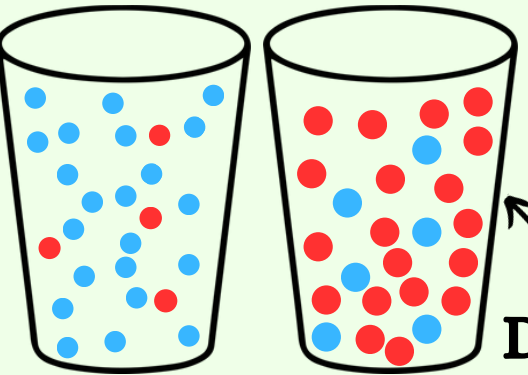


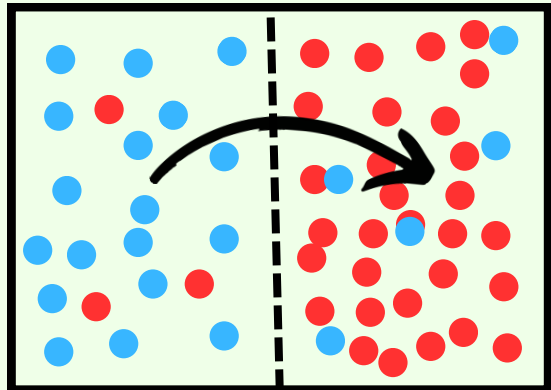
partially permeable, concentrated, water, dilute

Osmosis is the diffusion of water molecules from a dilute solution to a concentrated solution, across a partially permeable membrane



Dilute Concentrated

Draw line to show movement of water



- 1. Hypertonic ~~Concentration of solutes inside = outside cell~~
- 2. Isotonic ~~Concentration of solutes outside cell > inside~~
- 3. Hypotonic ~~Concentration of solutes outside cell < inside~~

Definitions

Solute
Water

Match the left to the right

Add these labels under the diagrams on the right

- Hypertonic solution
- Isotonic solution
- Water enters
- Water leaves
- Cell shrivels
- Normal cell

In animals

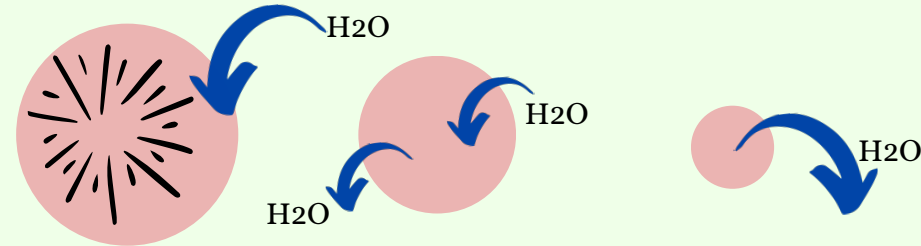
OSMOSIS

ANSWERS

TOP MARKS
SCIENCE

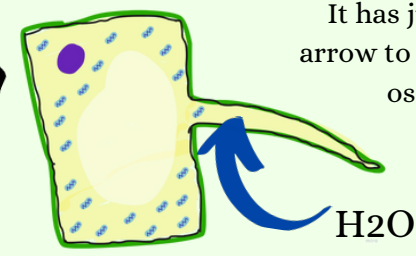
Potato gains or loses mass?

- In high concentration of salt solution (L)
- In water only (G)
- In a low concentration of salt solution (L)



<ul style="list-style-type: none"> • Hypotonic • Water enters • Cell bursts 	<ul style="list-style-type: none"> • Isotonic • Water in = out • Normal cell 	<ul style="list-style-type: none"> • Hypertonic • Water leaves • Cell shrivels
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In plants



It has just rained, draw an arrow to show the direction of osmosis of water

Match the descriptions to the correct diagram

- Isotonic
- Water in = out
- Flaccid cell

- Hypertonic
- Water leaves
- Plasmolysed

- Hypotonic
- Water enters
- Cell turgid

