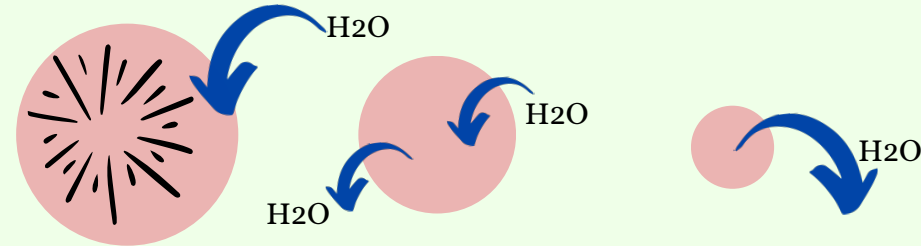


partially permeable, concentrated, water, dilute

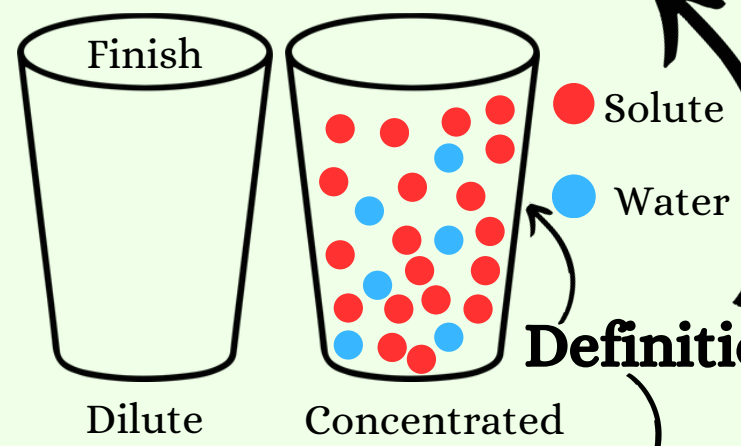
Osmosis is the diffusion of \_\_\_\_\_ molecules from a \_\_\_\_\_ solution to a \_\_\_\_\_ solution, across a \_\_\_\_\_ membrane

Add these labels under the diagrams on the right

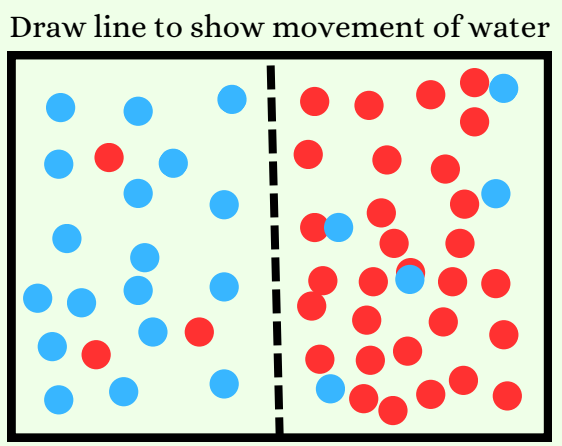
- Hypertonic solution
- Isotonic solution
- Water enters
- Water leaves
- Cell shrivels
- Normal cell



<ul style="list-style-type: none"> <li>• Hypotonic</li> <li>• _____</li> <li>• Cell bursts</li> </ul>	<ul style="list-style-type: none"> <li>• _____</li> <li>• Water in = out</li> <li>• _____</li> </ul>	<ul style="list-style-type: none"> <li>• _____</li> <li>• _____</li> <li>• _____</li> </ul>
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**Definitions**



Draw line to show movement of water

Match the left to the right

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

**In animals**

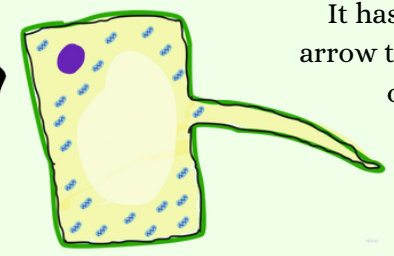
# OSMOSIS

TOP MARKS  
SCIENCE

Potato gains or loses mass?

- In high concentration of salt solution
- In water only
- In a low concentration of salt solution

**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

