



Osmosis

1 Define osmosis

Osmosis is the movement (spreading out) of **water molecules** across a **partially permeable membrane** from an area of **higher water concentration to an area of lower water concentration**.

[3 marks]

2 What is a partially permeable membrane?

A membrane that has only has very small holes in it that only tiny molecules like water can pass through.

[1 marks]

3 In which of the following situations is osmosis taking place? (Tick all that apply)

Oxygen moving from the alveoli to the blood stream in the lungs

Absorbing water from the soil in root hair cells

Evaporation of water from a bowl of water

When a potato is placed in pure water

[2 marks]

[Total - 6 marks]