

Osmosis

What moves by osmosis?

Osmosis

How does water move into and out of cells?

Osmosis

Percentage change in mass formula?

Osmosis

What does a potato cylinder in a concentrated solution do?

Osmosis **Supplement**

Define osmosis using water potential.

Osmosis **Supplement**

Which has the higher water potential: a dilute or concentrated solution?

Osmosis **Supplement**

What is a turgid cell?

Osmosis **Supplement**

What is a flaccid cell?

By osmosis through the cell membrane.

Water, through a partially permeable membrane.

Loses mass, because water leaves its cells by osmosis.

$(\text{final mass} - \text{initial mass}) \div \text{initial mass} \times 100.$

A dilute solution. Pure water has the highest water potential.

The net movement of water molecules from a region of higher water potential (dilute solution) to a region of lower water potential (concentrated solution), through a partially permeable membrane.

A plant cell that has lost water and turgor pressure, so it is soft.

A plant cell full of water, with the cell contents pressing on the cell wall (turgor pressure).

What is plasmolysis?

Why do plant cells not burst in pure water?

The cell wall resists the expansion, so the cell becomes turgid.

The cell membrane and cytoplasm pulling away from the cell wall after water leaves the cell by osmosis.