



Osmosis

1. State the definition of osmosis:

2. State the definition of a partially permeable membrane:

3. State the definition of:

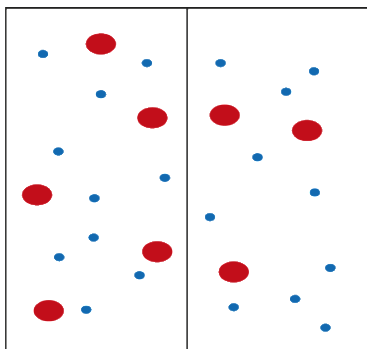
a. Hypertonic

b. Hypotonic

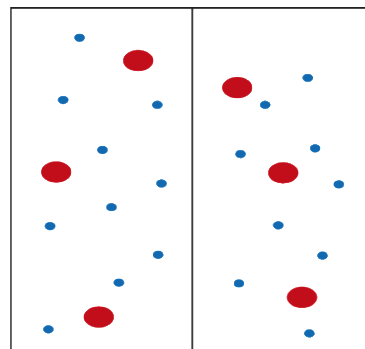
c. Isotonic

4. For each scenario label each side as hypotonic, hypertonic or isotonic and draw an arrow to show the net movement of water. The small dots represent water molecules and the larger dots represent sugar (the solute).

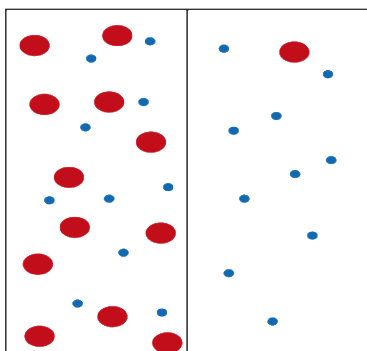
a.



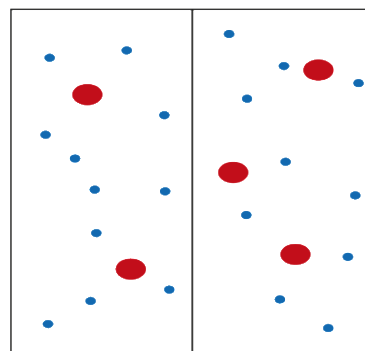
b.



c.



d.



5. Write a method you could use to determine the concentration of solute inside a piece of fruit.

Stretch Activity

Often pupils will leave exam revision to the last minute and then stare blankly at their notes, hoping they will absorb the information by osmosis. Explain why this cannot happen.