

Name: _____

Class: _____

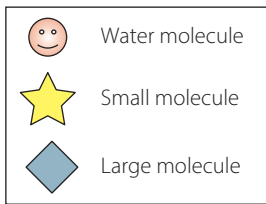
ACTIVITY SHEET

1.2 Movement across the plasma membrane

The entry and exit of substances into and out of the cell is a vital process. Without the movement of substances across the plasma membrane, the cell would not survive. Waste products would build up and cellular products required elsewhere in the organism could not be moved. A substance can be moved from the internal environment to the external environment in a number of ways. These include osmosis, diffusion, facilitated diffusion and active transport.

- 1 Define the four types of substance movement listed above.

- 2 Use the legend below to create a series of before and after diagrams that represent the different types of movement.



a Osmosis

b Diffusion

c Facilitated diffusion

d Active transport

3 Show the net movement of water and the resulting concentration in the following beakers.

