



Diffusion

1 Define diffusion (remember to use key words)

.....
.....

[2 marks]

2 Name 3 factors that will affect the rate of diffusion

- 1)
- 2)
- 3)

[3 marks]

3 Cells are surrounded by a cell membrane. These can control what enters and leaves the cells because only very small molecules in the solutions either side of the membrane can diffuse through.

Tick the molecules below that are able to diffuse through cell membranes.

- | | | |
|-------------------------------------|---------------------------------|----------------------------------|
| <input type="checkbox"/> Amino acid | <input type="checkbox"/> Water | <input type="checkbox"/> Glucose |
| <input type="checkbox"/> Glucose | <input type="checkbox"/> Oxygen | <input type="checkbox"/> Starch |

[3 marks]

4 Name 3 places in an animal or plant that diffusion or osmosis takes place

Example - Water is absorbed across the wall of the large intestine in animals.

- 1)
- 2)
- 3)

[3 marks]

[Total - 11 marks]