**Diffusion Homework**

Q1) Write a definition for diffusion …………………………………………………………………………………………………………………….……………………………………….………………………………………………………………………………………

* Draw and label your diagram showing the particle model of Diffusion through a semi-permeable membrane.

Q2) Give three reasons why Diffusion is important.

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Q3) What is a concentration gradient and how does this affect the speed of diffusion?

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Q4) True or false (with reasons): Diffusion occurs in solids, liquids and gases? ………………………………………………………….…..............................................................

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Q5) When does diffusion stop? ................................................................................................................................................................................................................................................................

**Extension**

Q1) Research how the following are adapted to their function:

Villi

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Alveoli

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Nerve impulse

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Use diagrams to help your explanations.

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