Diffusion

Find the video at: **sciencesauceonline.com**	Enter Lesson Code: **01210**

Use the video, "Diffusion and Osmosis" (up to 4:28), to help you answer the questions.

1. Define "diffusion".

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2. Explain what is meant by the term, "steep concentration gradient".

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3. Look at the statements below. For each one write "T" or "F" to indicate whether the statement is true or false.

Statement	T/F
Particles remain still unless there is a concentration gradient present.	
Particles move at random.	
Increasing the temperature increases the speed of particle movement and therefore the rate of diffusion.	
A steeper concentration gradient results in a slower rate of diffusion.	
A shorter diffusion pathway results in a faster rate of diffusion.	