**3.1** Define diffusion.

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**3.2** List three examples of diffusion in living organisms.

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**3.3** You will need to think about your knowledge of particle theory to answer this question.

1. What effect does an increase in temperature have on the kinetic energy of molecules of a gas or a solute?  
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2. Predict and explain how an increase in temperature will affect the rate of diffusion of a solute.  
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