

Diffusion

Chemistry - Key Stage 3

Particles - Lesson 2

Miss Mason



Independent Practise

1. Draw 2 boxes - 1 box should have 10 particles in it and the other one should have 5. Label which one has a high concentration and which one has a low concentration.
2. A cell has 10 particles in it and is in a box which has 30 particles in it. Does the box have a high or low concentration?
3. Should particles move into or move out of the cell based on the rules of diffusion?
4. How would we describe how the particles are moving in relation to the concentration gradient?



Your English teacher wants to know how to make the perfect cup of tea in the quickest time possible at break time. It's your job to explain the idea of diffusion to her and how different factors could affect how quickly she is able to get the perfect cup of tea.

Make sure you:

- **Describe what diffusion is.**
- **Suggest ways she could speed up the process of diffusion.**

Diffusion is the...

To speed up the rate of diffusion, one factor that could be changed is...

If this was increased, it would cause...

