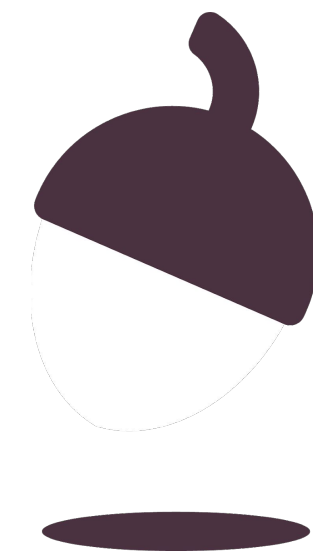


Physics - Key Stage 3
Matter

Lesson 4 - Diffusion

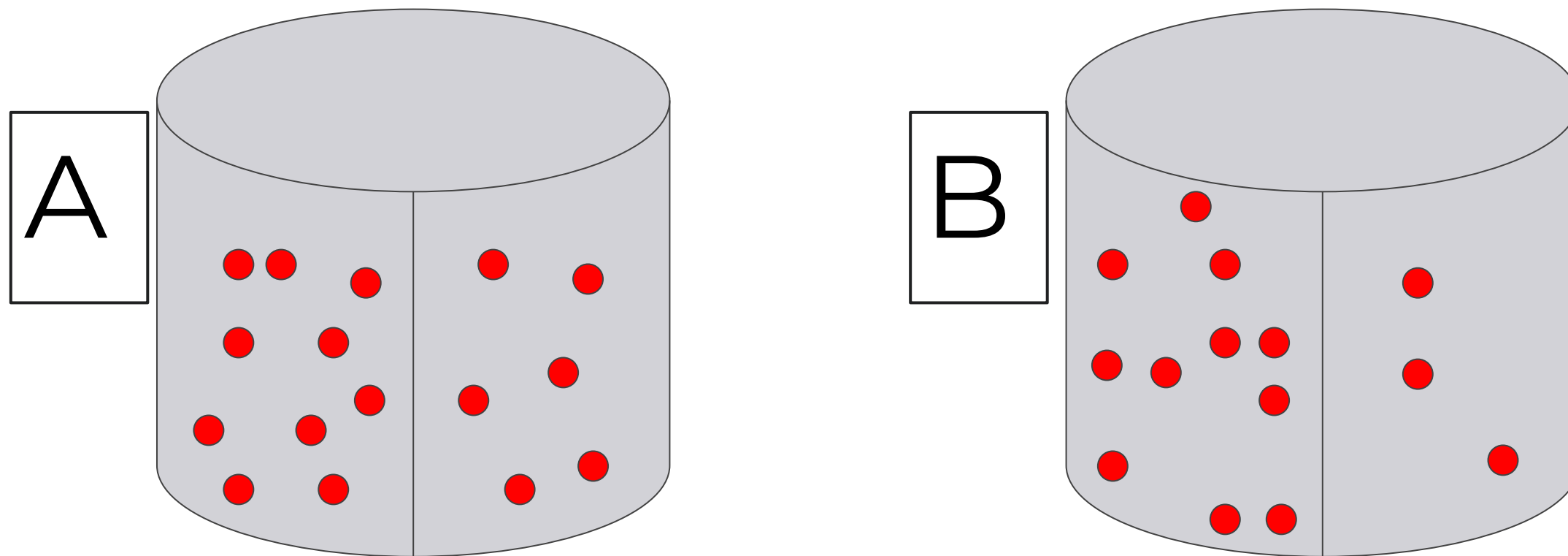
Mr McKee



OAK
NATIONAL
ACADEMY

Concentration Gradient

Which image will have a faster rate of diffusion?



Source Mr McKee

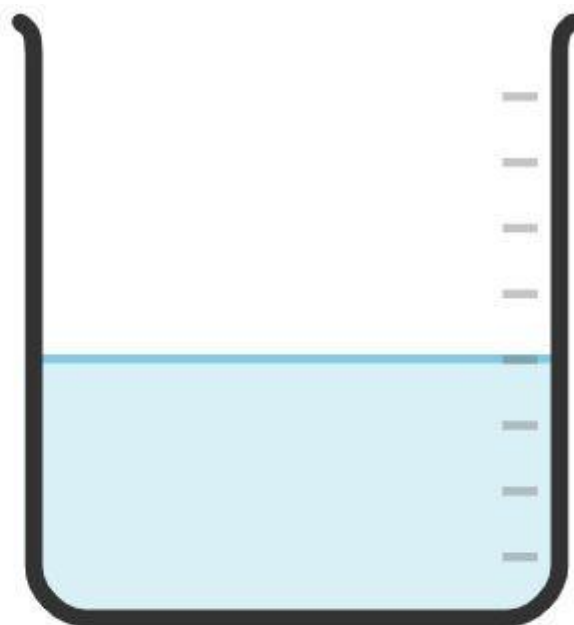


Temperature

Which temperature will have a higher rate of diffusion?



Making Tea at
10 Degrees Celsius



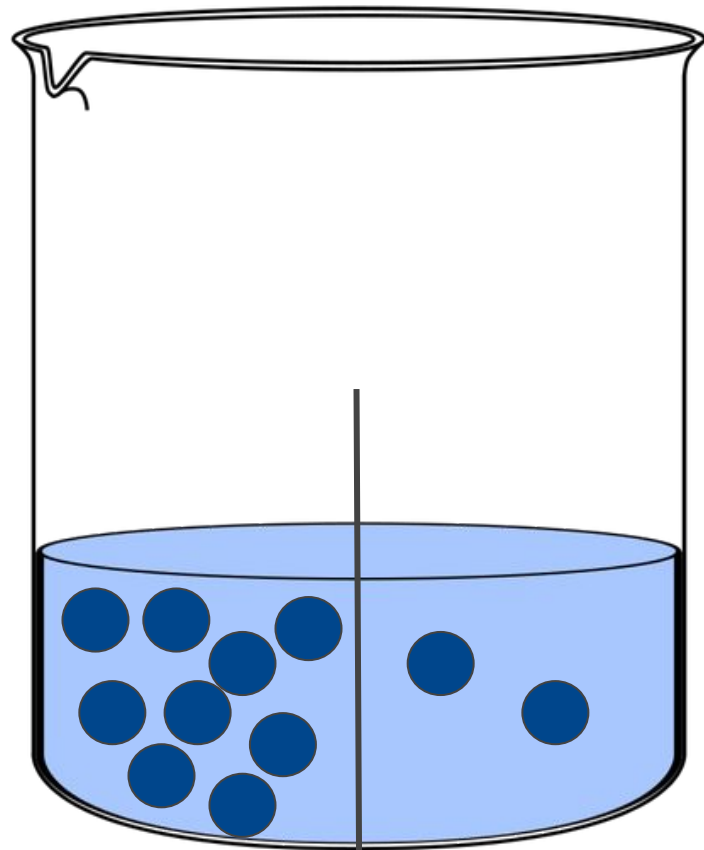
Making Tea at
100 Degrees Celsius

Mr McKee: Created with Chemix

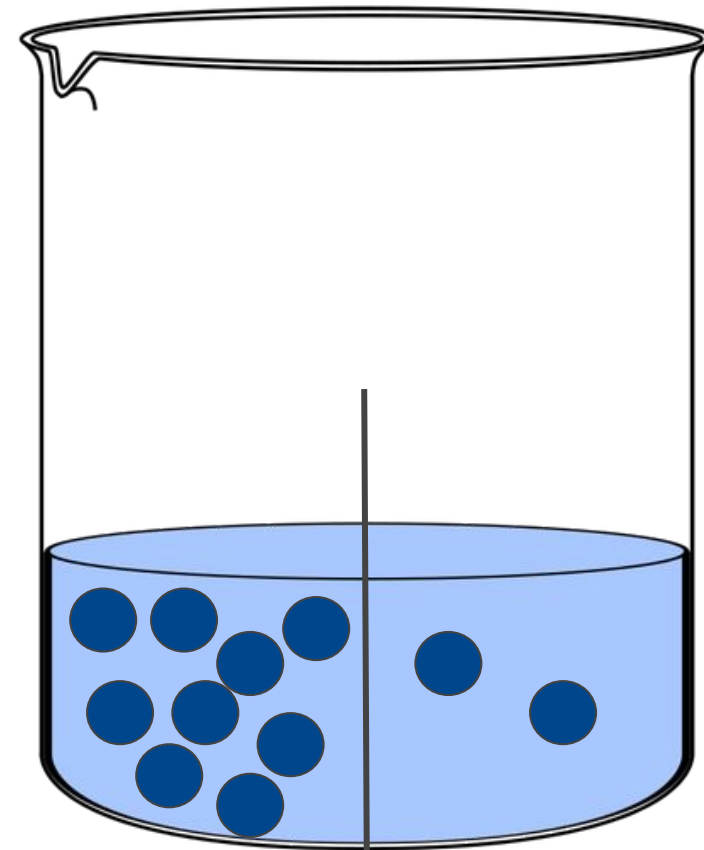


In which of these solutions will diffusion happen more quickly?

30°C



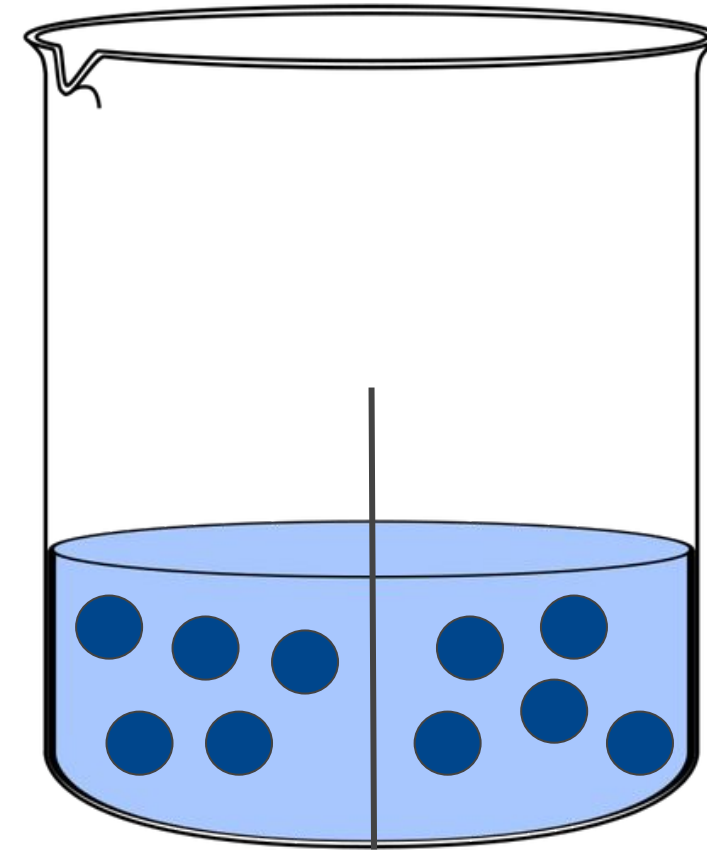
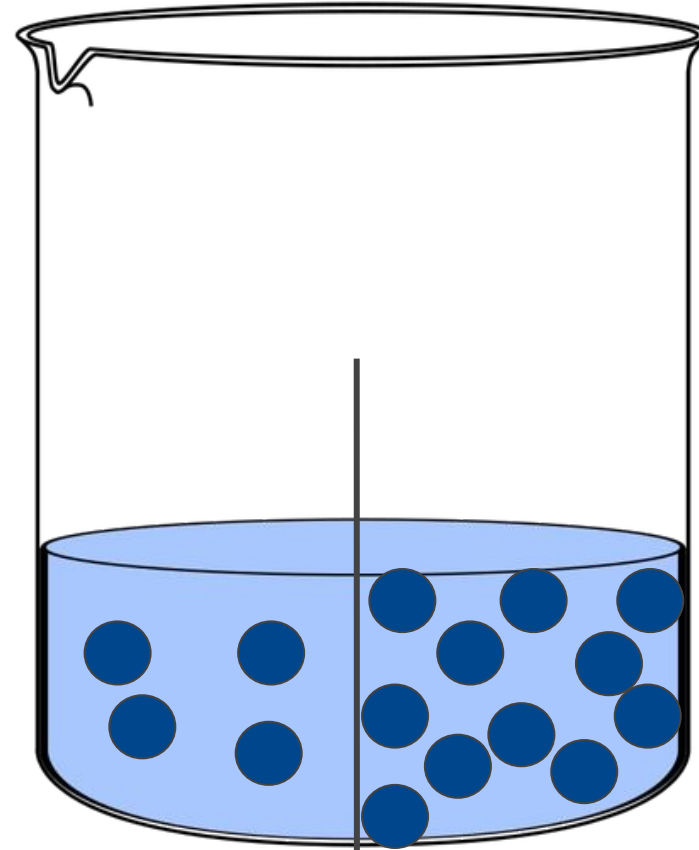
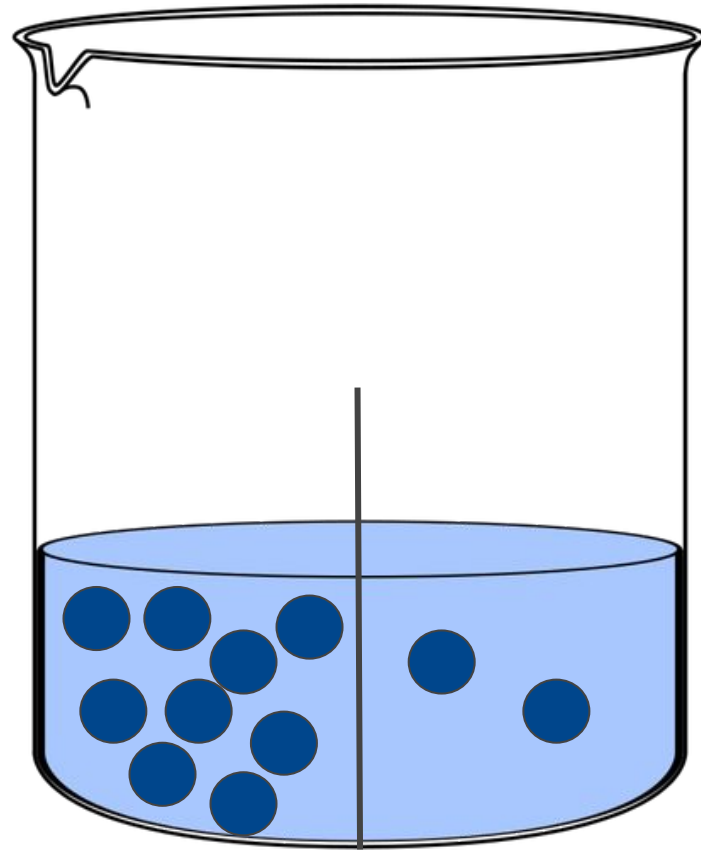
10°C



[Free SVG] - [OpenClipart] -
[Water beaker]



For each picture, in which direction will the particles move?



[Free SVG] - [OpenClipart] -
[Water beaker]



Independent Practice Questions.

- 1. Define Brownian Motion.**
- 2. Define diffusion.**
- 3. What are the two main factors that would affect the diffusion of a gas, or a substance in a liquid?**
- 4. Why does diffusion happen faster in gases than in liquids?**
- 5. Why does diffusion happen faster when it's hotter?**

