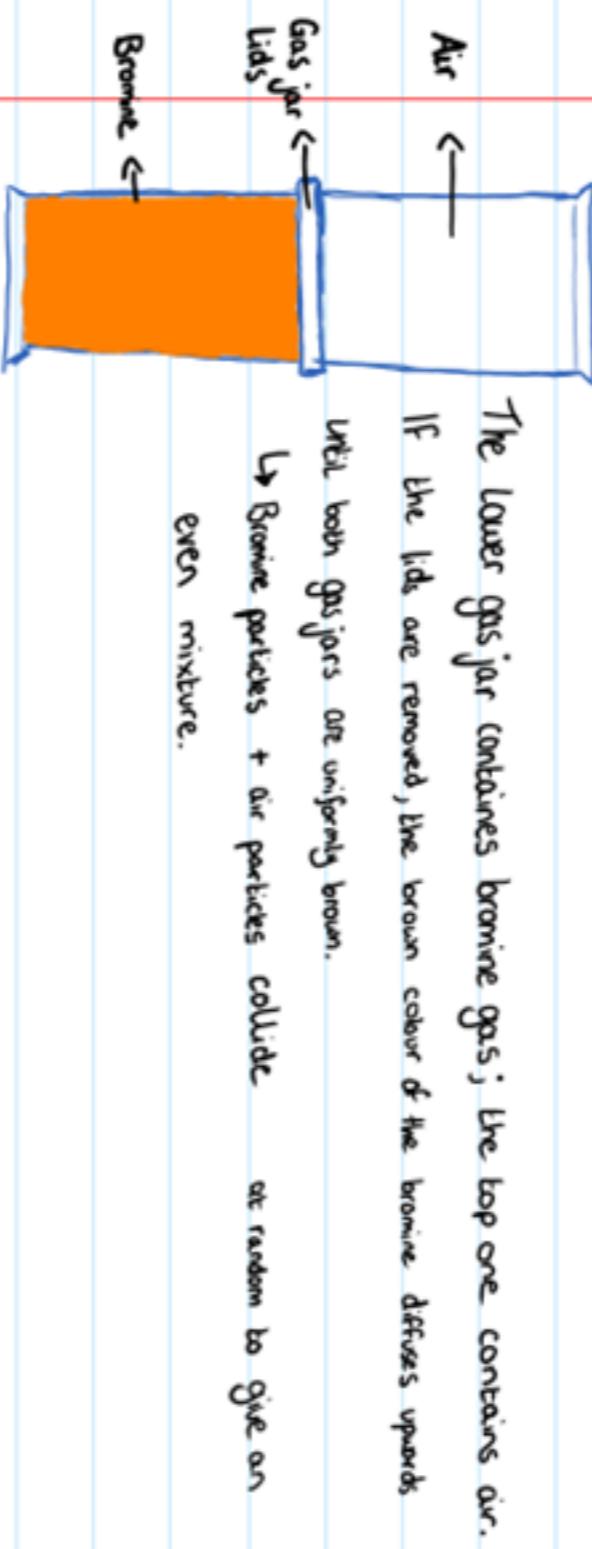


- Diffusion is the movement of particles from a high concentration to a low concentration.

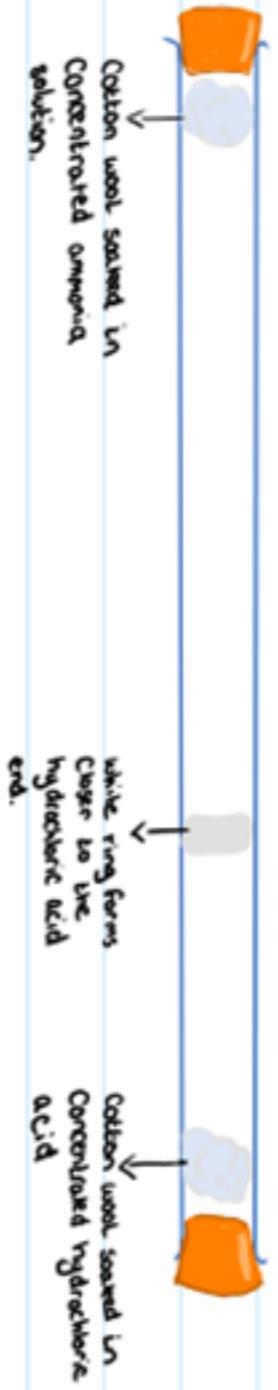
- Lighter molecules will diffuse faster than heavier molecules.

Demos:

- 1) You can show diffusion easily using the apparatus ↓



- 2) This demo shows that particles in different gases travel at different speeds:



This experiment relies on the reaction between ammonia & hydrogen chloride gases

to give white solid ammonium chloride.



Our apparatus set up for this demo.



→ The white ring of ammonium chloride appears closer to the hydrochloric acid end.

↳ In the time it takes for the ring to form, the ammonia particles have travelled further.

↳ Ammonia particles speed is higher.

↳ Ammonia particles are lighter than hydrogen chloride particles.

↳ Light particles are faster than heavier ones.

→ Our demo set up to demonstrate this reaction.