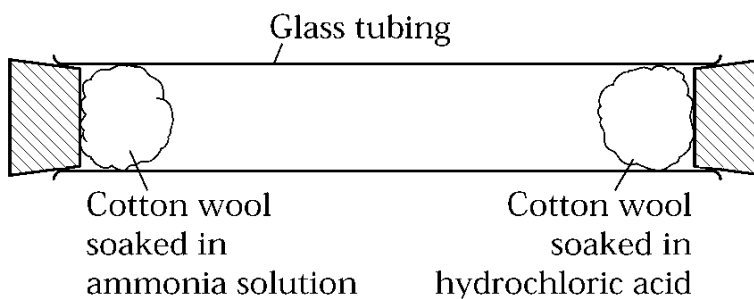


## Diffusion Homework

When the two gases meet, this appears as white smoke in the air.  
Particles of hydrogen chloride are about twice as heavy as particles of ammonia.



**TASK:** Using the particle model, explain what happens in the experiment above. Use diagrams of the gases reacting to illustrate what happens

### Level 3

- I can identify a solid, liquid and gas.

### Level 4

- I can explain the arrangement of particles in solids, liquids and gases.

### Level 5

- I can use the particle model to explain diffusion in gases and liquids.

### Level 6

- I can explain the behaviour of particles in a gas and explain what happens when the particles react.