**States of matter, mixtures, filtration and crystallisation**

**Filtration and Crystallisation:**

Label the diagram including keywords: filtrate, residue and suspension



How does filtration separate mixtures (keywords: soluble and insoluble)

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Label the diagram:



What process removes the liquid from the solution \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Give a safety precaution \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Mixtures:**

Define ‘pure’ substance:

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Define a mixture:

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Draw a heating curve for a mixture:



Describe what happens when a solid melts in terms of particles and forces of attraction

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**States of Matter**

Draw the particle diagrams



What is meant by physical changes?

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Label where substance is a solid, liquid and a gas:



What is the melting point? \_\_\_\_\_\_\_\_\_\_

What is the boiling point? \_\_\_\_\_\_\_\_\_\_\_

At 65oC what state of matter is the substance in? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_