

Into each of the boxes write the change of state that is happening.

Describe the bonding of the particles in each case:

SOLID

LIQUID

GAS

Describe the arrangement of the particles in each case:

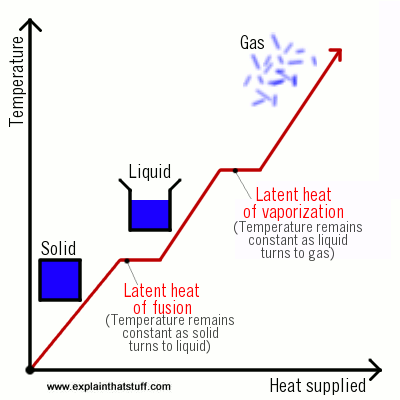
SOLID

LIQUID

GAS

Draw the particle diagrams for a Solid, Liquid, and Gas

On the graph show what the temperature will be when the temperature is constant if the substance was pure water



Define a pure substance.

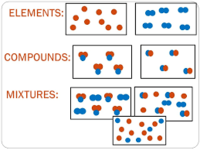
Say what is happening to the bonds when the temperature stays constant

Explain the shape of the graph. Say what is happening to the particles when the temperature increases



Label these with element, mixture, and compound.

Explain how you can tell.



Which of these 2 diagrams show the substance with the highest density?

Explain why.

What is this piece of equipment and why is it there?

Write the name of each method in the boxes.

Draw a diagram showing how you would separate out the following mixtures:

Sand and water

Salt and water

Ink and water

**A B**

