YEAR 7 0 - Lesson Period 4

SOLIDS, LIQUIDS AND GASES



Task 1 – Produce a poster on an A3 Sheet drawing a particles model and describing how particles look like in solids, liquids and gases. Colour it!

Task 2 – Completing a solids, liquids and gases Worksheet.

Task 3 – Try to answer the quiz on the worksheet to recap all the last lesson ideas.

Worksheet

SOLIDS, LIQUIDS AND GASES



1. Complete the table

| Property | Solids | Liquids | Gases |
|------------------|--------|---------|-------|
| Do they flow? | | | |
| How easy are | | | |
| they to compress | | | |
| (squash)? | | | |
| Do they keep | | | |
| their shape | | | |
| Do they keep | | | |
| their volume? | | | |

2. Write down the definition for each of the words and give an example.

Melting-

Evaporation -

Condensation -

Freezing -

QUIZ Solids, Liquids and Gases



Which of the following is a particle model of a gas?











Air is in a bottle with a tight screw-top.

When the bottle becomes cooler, the pressure inside decreases because the molecules of air?

| become bigger |
|----------------|
| move faster |
| move slower |
| become smaller |



bottles. In what way **does water show UNUSUAL behaviour**?

| ice has a smaller density than liquid water |
|--|
| liquid water contracts on freezing to form ice |
| the ice expands on cooling |
| liquid water is less dense than ice |



Which of the following best describes what happens to the particles of water vapour when it condenses?

They gain energy and gain freedom to move about
They gain energy and increase their freedom to move without significant attractio
They lose energy and and are closer and less free to move around
They lose energy and lose freedom to move about



Which of the following best describes a GAS?

| defi |
|-------|
| defi |
| fills |
| fills |

efinite volume, takes shape of container, flows easily, high density efinite volume, definite shape, does not readily flow, high density Ils container, definite shape, does not readily flow, low density Ils container, takes shape of container, flows easily, low density