

Natural Science

Unit 7: Matter: task 2

1 – 2 Could you give a **definition** of mass? And volume? Choose the correct answer.

- *Mass is ...*
 - a. *the quantity of matter that an object has.*
 - b. *the space that it occupies.*
 - c. *characterised by two fundamental properties.*

The correct answer is (write the LETTER) :

- *Volume is...*
 - a. *the quantity of matter that an object has.*
 - b. *the space that it occupies.*
 - c. *characterised by two fundamental properties.*

The correct answer is (write the LETTER) :

3 – How many **states** can matter be in?

- *Matter can be in (_____) states.*

4 - 10 **Complete** the sentences with one word:

It is characterised by having a fixed volume and variable size, it is the () state.

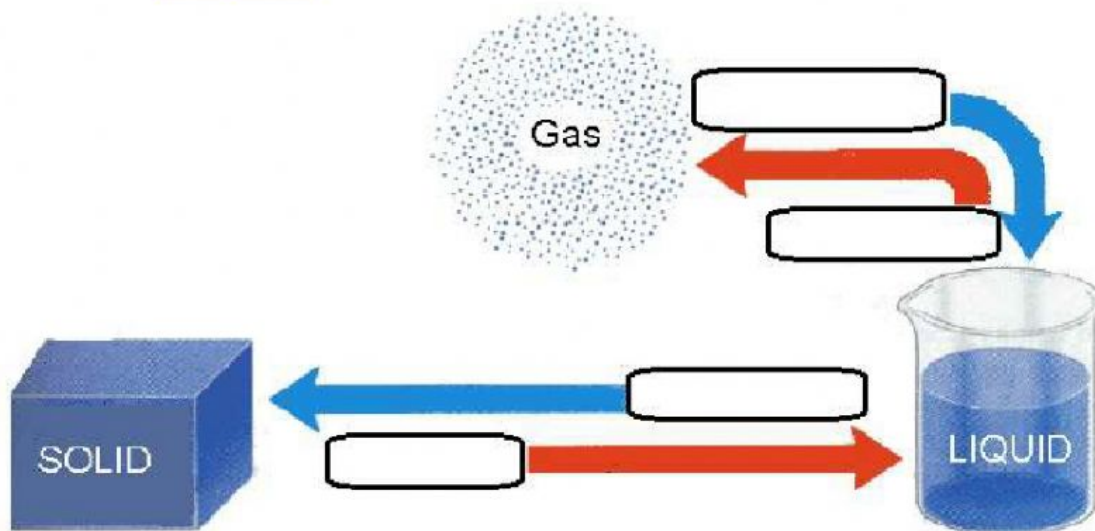
It is characterised by having a fixed volume and size, it is the () state.

It is characterised by having a variable volume and size, it is the () state.

() happens when matter changes from solid to liquid and happens after () temperature. The opposite is ().

After liquids are heated, () occurs and water () is formed.

11 - 14 **Complete** the chart.



15 – 20 Fill in the blanks (read pages 68 and 69 to find the answers).

Different types of (_____) are used to measure mass.

Mass is measured in (_____) or grams.

Mass is not always related to the (_____) of an object.

Bigger objects have more (_____) than smaller objects.

The volume of liquids is measured in measuring (_____).

The volume of irregular-shaped solids is calculated by the water (_____) method.

The diagram shows the formula for density, $\rho = \frac{m}{v}$, enclosed in a green rectangular frame. The Greek letter ρ is labeled 'density' with a blue line. The letter 'm' is labeled 'mass' with a blue line. The letter 'v' is labeled 'volume' with a blue line. The equals sign and the fraction bar are red.