

Unit: Nature of Matter- States of matter

Instruction: answer all question.

- 1. Define the concept particle theory

2mks

- 2. State four main ideas of the particle theory.

6mks

- 3. Define the term matter.

1mk

- 4. What are the (3) states of matter? Give one (1) example for each state within your environment.

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6mks

5. Describe the position and motion of the particles in the following.

Solid

3mks

Liquid

3mks

Gases

3mks

6. State whether each of the following properties describes a solid, a liquid or a gas. Some properties might describe more than one state.

- a) Have the greatest force holding of its particle together _____
- b) Fills the space available _____
- c) Can be poured _____
- d) Impossible to squash _____
- e) Takes the shape and volume of its container _____ 6mks

7. a) Define the difference between a physical and a chemical change.

b) State whether the following changes are physical or chemical changes.

Dissolving sugar: _____

Melting butter: _____

Shredding paper: _____

Frying an egg: _____

4mks

8. What properties do the following have in common:

a) Solids and liquids?

b) Liquids and gases?

c)

9. In each of the Space below draw the arrangement of the particles to represent each state of matter.

Solid



Liquid



Gas

