GRADE 10 PHYSICAL SCIENCES PAPER 2 Memorandum

JUNE 2023

QUESTION 1

1.1. C Y

1.2. D

1.4. A

1.5. A --

[10]

QUESTION 2

- 2.1.
- 2.1.1. A pure substance is a substance that cannot be separated into simpler components by physical methods.
- 2.1.2.1 Element <
- 2.1.2.2 Consists of only one type of atom.
- 2.1,2.3 It is a combination of different metals (copper and zinc).
- 2.2. Pots and pans are made of metal, because metal is a good <u>conductor</u> which allows heat to be transferred so that food can cook. The handles are <u>insulators</u> so that you do not burn your hands when you pick up a hot pot.
- 2.3.1. (a) Temperature 🗸
- (b) Time
 2.3.2. Boiling point is the temperature of a liquid at which its vapour pressure equals to the external (atmospheric) pressure
- 2.3.3. The temperature remains constant because the energy is absorbed by the molecules. 🗸

The strength of the intermolecular forces between the molecules decreases.

The particles move faster and spaces between the particles increases.

The substance changes phase from liquid to gas

[15]

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RJ Shavelson

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