

QUESTION 1

- 1.1. C ✓✓
- 1.2. D ✓✓
- 1.3. B ✓✓
- 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 conductor which allows heat to be transferred so that food can cook. ✓ The handles are insulators 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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grade m m g 2 final roadway grade m m l length of curve m

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