

**GCSE Chemistry A (Gateway Science)**

**J248/01** Chemistry A C1-C3 and C7 (Foundation Tier)

**Question Set 22**

1\* Look at the data about some substances.

| Substance | Melting point (°C) | Boiling point (°C) | Does it conduct Electricity?   | Density (g/cm <sup>3</sup> ) |
|-----------|--------------------|--------------------|--|------------------------------|
| A         | 0                  | 100                | No   | 1.0                          |
| B         | 1085               | 2562               | Good conductor   | 9.0                          |
| C         | 801                | 1413               | Solid does not conduct but conducts when melted or when dissolved in water | 2.2                          |

What is the type of **bonding** present in each of substances **A**, **B** and **C**?

Explain how you can tell.

[6]

**Total Marks for Question Set 22: 6**



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