

Paper 4

**Questions are applicable for both core and extended candidates
unless indicated in the question**

- 4 (a) The symbols of the elements in Period 2 of the Periodic Table are shown.

Li Be B C N O F Ne

Use the symbols of the elements in Period 2 to answer the questions that follow.
Each symbol may be used once, more than once or not at all.

Give the symbol of the element that:

- (iv) exists as graphite [1]

- 5 This question is about the first 30 elements in the Periodic Table. **(extended only)**

Name the element which:

- (d) forms an oxide with a giant covalent structure [1]

- 6 A list of substances is shown.

aluminium oxide carbon dioxide chlorine diamond ethanol

glucose iron(III) oxide limestone nitrogen oxygen

Answer the questions using the list of substances.

Each substance may be used once, more than once or not at all.

State which of the substances:

- (h) is a form of carbon.

..... [1]