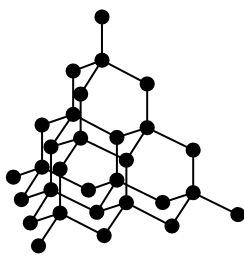


GCSE Chemistry A (Gateway Science)

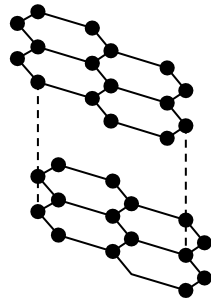
J248/01 Chemistry A C1-C3 and C7 (Foundation Tier)

Question Set 19

1 The diagrams show the structures of diamond and graphite.



Diamond



Graphite

One property of diamond is that it is very hard. One property of graphite is that it is slippery.

(a) Write about the other properties of diamond and graphite.

Diamond

Graphite

[4]

(b) Describe the type of bonding between the carbon atoms in diamond.

[1]

(c) Graphite is slippery.

Use the structure of graphite to explain why.

[2]

Total Marks for Question Set 19: 7



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