

- 8 Rescuers are drilling through fallen rock in order to rescue some people trapped in a cave. The drill needs lubricating from time to time.

Four statements are made about the materials used for the drill tip and the lubricant to explain the reasons for their use.

- 1 Diamond is used for the drill tip as it does **not** conduct electricity.
- 2 Diamond is used for the drill tip as it is very hard.
- 3 Graphite is used as the lubricant as it conducts electricity.
- 4 Graphite is used as the lubricant as it is soft and slippery.

Which statements are correct?

- A** 1 and 3 **B** 1 and 4 **C** 2 and 3 **D** 2 and 4