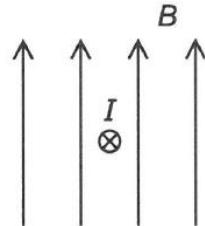
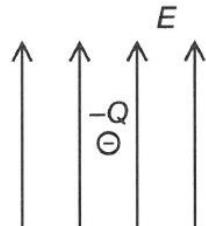
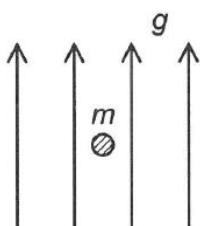


19 The diagrams show three uniform fields.

- a mass m in a gravitational field g
- a negative charge $-Q$ in an electric field E
- a conductor, carrying a current I into the diagram, in a magnetic field B .



Which diagram shows the directions of the forces on m , $-Q$ and I ?

- | | | | |
|---|---|--|--|
| A | <p>A small circle with diagonal hatching containing the letter m. A vertical arrow points downwards from it.</p> | <p>A small circle with a minus sign inside, followed by the letter $-Q$. A vertical arrow points downwards from it.</p> | <p>A small circle with a crossed-out circle inside, followed by the letter I. A horizontal arrow points to the right from it.</p> |
| B | <p>A small circle with diagonal hatching containing the letter m. A vertical arrow points upwards from it.</p> | <p>A small circle with a minus sign inside, followed by the letter $-Q$. A vertical arrow points upwards from it.</p> | <p>A small circle with a crossed-out circle inside, followed by the letter I. A horizontal arrow points to the left from it.</p> |
| C | <p>A small circle with diagonal hatching containing the letter m. A vertical arrow points upwards from it.</p> | <p>A small circle with a minus sign inside, followed by the letter $-Q$. A vertical arrow points downwards from it.</p> | <p>A small circle with a crossed-out circle inside, followed by the letter I. A horizontal arrow points to the left from it.</p> |
| D | <p>A small circle with diagonal hatching containing the letter m. A vertical arrow points upwards from it.</p> | <p>A small circle with a minus sign inside, followed by the letter $-Q$. A vertical arrow points downwards from it.</p> | <p>A small circle with a crossed-out circle inside, followed by the letter I. A horizontal arrow points to the right from it.</p> |

