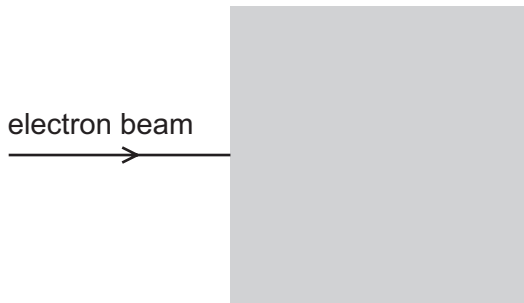


- 29** In the diagram, the shaded area represents a uniform electric field directed away from the observer (at right-angles into the plane of the paper).



A horizontal beam of electrons enters the field, travelling from left to right.

In which direction is this beam deflected by the field?

- A** upwards (in the plane of the paper)
- B** downwards (in the plane of the paper)
- C** away from the observer
- D** towards the observer

- 30** In terms of energy transfer W and charge q , what are the definitions of potential difference (p.d.)