

30 Which observation shows that a radioactive source emits **only** α -radiation?

- A** The count rate reduces significantly 1 cm away from the source in air.
- B** The count rate reduces significantly when the source is surrounded by a lead block.
- C** The radiation beam is deflected by an electric field perpendicular to it.
- D** The radiation beam remains undeflected by a magnetic field parallel to it.

End of Paper