

40 Four nuclei are represented below.



Which statement about these nuclei is correct?

- A An uncharged atom of element Q has 24 orbital electrons.
- B Nucleus M could transform into Q by emitting a beta particle.
- C Nuclei G and M are isotopes of the same element.
- D When E absorbs a neutron and then emits an alpha particle, nucleus E transforms into M.

**Space for working**