

28 Which statement about the Heisenberg position-momentum uncertainty principle on a particle is **not** correct?

- A** The exact values of momentum p and position x cannot be achieved simultaneously.
- B** The uncertainty of momentum Δp is in the same direction as the uncertainty of position Δx .
- C** The product of uncertainties of momentum Δp and position Δx will always be greater than the Planck constant.
- D** The uncertainties of momentum Δp and position Δx can be minimised concurrently with the same experimental equipment.

[Turn over