

- 27** In an evacuated chamber, particles are accelerated from rest through a potential difference of the same magnitude.

Which of the following has the shortest de Broglie wavelength after the acceleration?

- A** proton ${}_1^1\text{p}$
- B** electron ${}_{-1}^0\text{e}$
- C** deuterium nucleus ${}_1^2\text{H}$
- D** helium nucleus ${}_2^4\text{He}$

