

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

