

**29** What is the de Broglie wavelength of a particle of mass  $m$  and kinetic energy  $E$ , where  $h$  is the Planck constant?

**A**  $h\sqrt{2mE}$

**B**  $\sqrt{2mE}/h$

**C**  $h/\sqrt{mE}$

**D**  $h/\sqrt{2mE}$