

**29** The de Broglie wavelength of an electron that is accelerated from rest through a potential difference of  $V$  is given by  $\lambda$ . The wavelength  $\lambda$  is proportional to

**A**  $V^{-1/2}$

**B**  $V^{1/2}$

**C**  $V$

**D**  $V^2$