

28 An electron can have both wave and particle properties.

Which equation relates the wavelength of an electron to one of its particle properties?

- A** wavelength \times momentum = constant
- B** $\frac{\text{wavelength}}{\text{momentum}} = \text{constant}$
- C** wavelength \times kinetic energy = constant
- D** $\frac{\text{wavelength}}{\text{kinetic energy}} = \text{constant}$

29 Monochromatic light of wavelength 410 nm is incident on a metal surface causing electrons to be