

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 440 nm is incident on a metal surface, causing electrons to be