

**28** Some of the electron energy levels for neon in a helium-neon laser are shown.

W ————— 20.66 eV

X ————— 18.70 eV

Y ————— 16.70 eV

Z ————— 0 (ground state)

Which energy change for electrons results in laser light of wavelength 633 nm?

**A** W → X

**B** X → Y

**C** W → Y

**D** W → Z

**29** The nucleus of a nuclide of an element with chemical symbol X comprises four protons and five