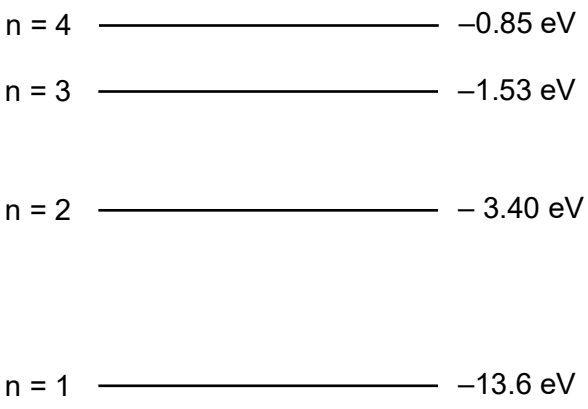
28 The figure shows the four lowest energy levels of a hydrogen atom. It is known that the wavelength of visible light ranges from 400 nm to 700 nm.



If electrons having kinetic energy of 12.5 eV are used to bombard a large number of hydrogen atoms at room temperature, how many spectral lines in the visible region can be obtained subsequently?

A 0 **B** 1 **C** 2 **D** 3