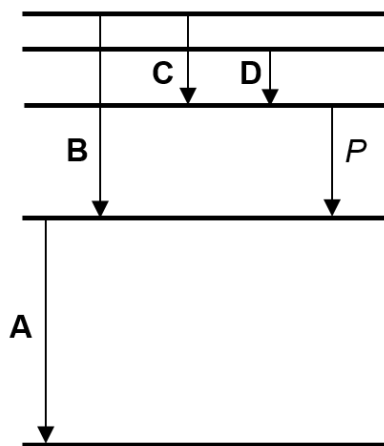


- 28** The diagram (drawn to scale) shows some of the energy levels of an atom. Transition P results in the emission of a photon of wavelength  $\lambda$ .



Which of the transitions **A**, **B**, **C** or **D** could result in the emission of a photon of wavelength  $2\lambda$ ?