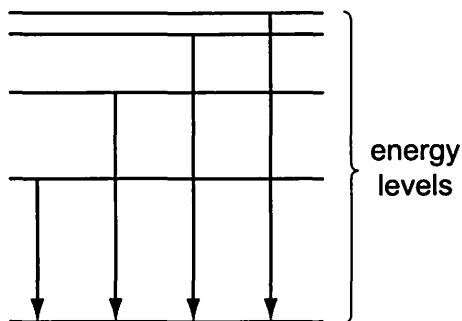


- 30 Electrons can move from a higher energy level to a lower energy level in an atom, emitting a quantum of electromagnetic radiation.

The diagram shows five energy levels in an atom and some transitions between them.



The line spectrum produced is in the visible spectrum and can be represented on a wavelength scale or a frequency scale.

Which diagram could represent the light emitted by the four transitions shown above?

	increasing wavelength →	increasing frequency →
A		
B		
C		
D		