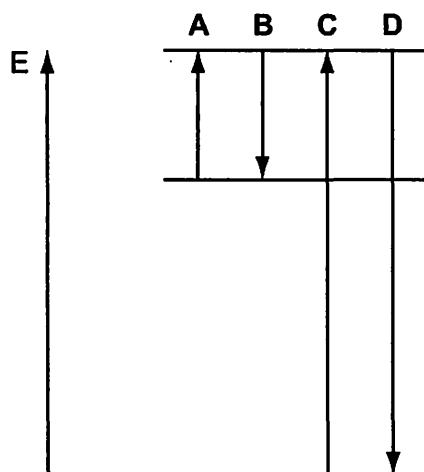


30 The diagram illustrates four transitions between three discrete electron energy levels of an isolated atom.

Which transition produces the line of longest wavelength in the absorption spectrum of a gas of these atoms?



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