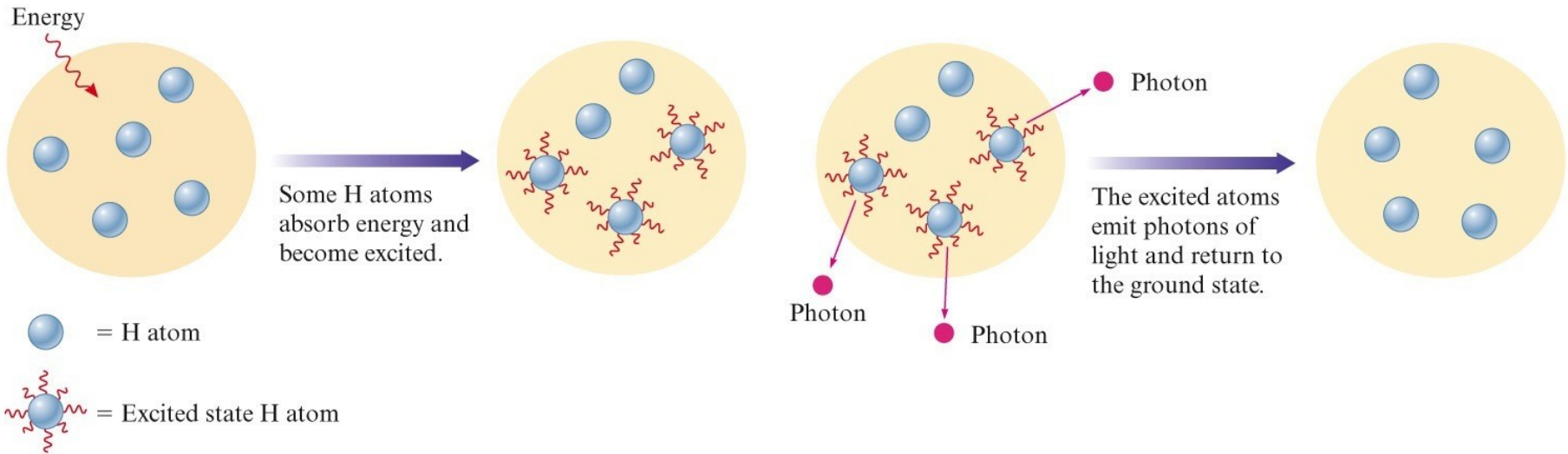


Energy as "Light"



a

A sample of H atoms receives energy from an external source, which causes some of the atoms to become excited (to possess excess energy).

© Cengage Learning. All Rights Reserved.

b

The excited H atoms can release the excess energy by emitting photons. The energy of each emitted photon corresponds exactly to the energy lost by each excited atom.