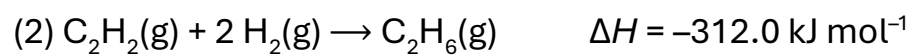
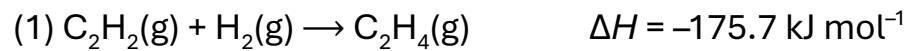
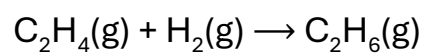


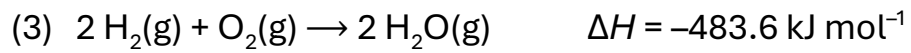
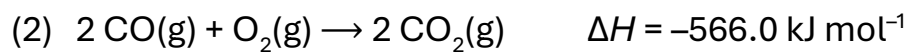
Given



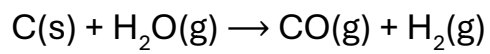
Find  $\Delta H$  (in  $\text{kJ mol}^{-1}$  to one decimal place) for



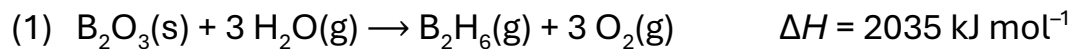
Given



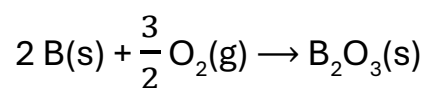
Find  $\Delta H$  (in  $\text{kJ mol}^{-1}$  to one decimal place) for



Given



Find  $\Delta H$  (in  $\text{kJ mol}^{-1}$ ) for



An internet router operates on a 5.0 GHz WiFi network frequency. What is the wavelength (in m) of this light?  $c = 2.998 \times 10^8 \text{ m s}^{-1}$