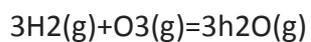
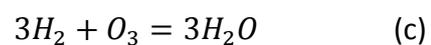
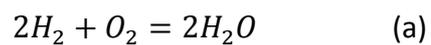


Calculate the heat of the reaction :



Solution:



$$c = \frac{3a - b}{2}$$

$$\Delta H (\text{c}) (\text{kJ}) = (3 \times (-483.6) - 284.6) / 2 = -867.7$$

Answer: - 867.7 kJ