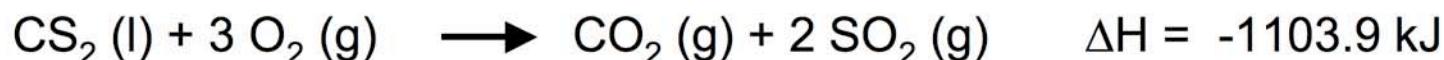
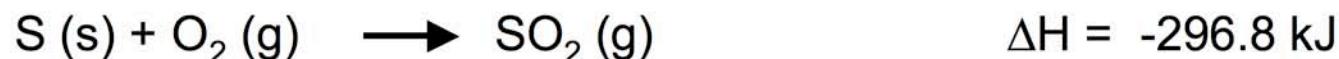
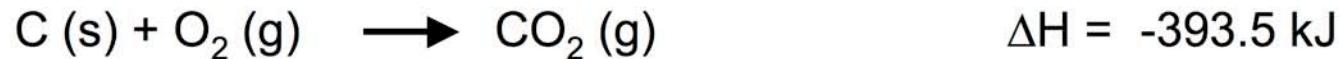
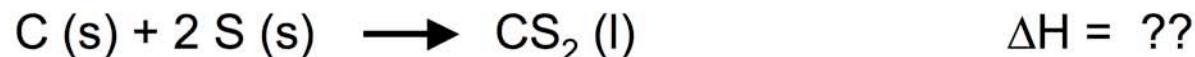


Hess's Law

Given:

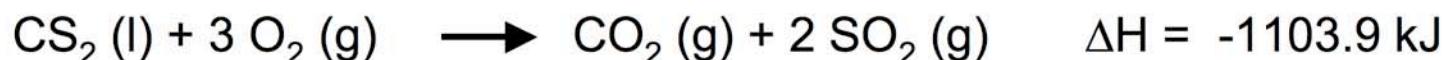
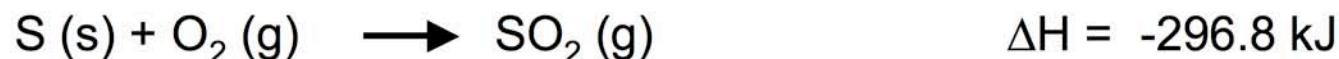
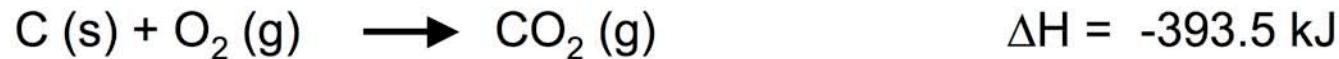


Calculate ΔH for:

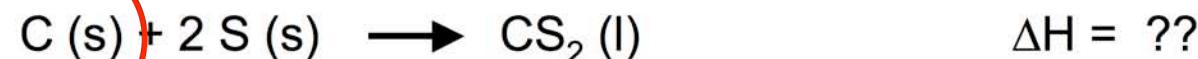


Hess's Law

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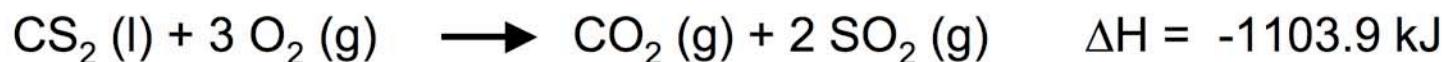
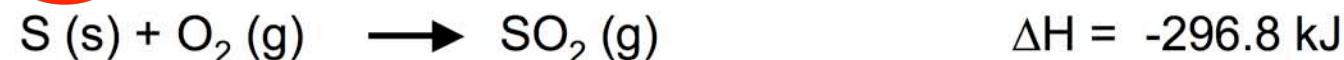
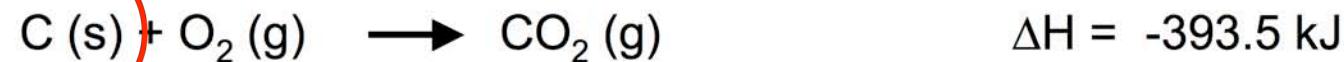


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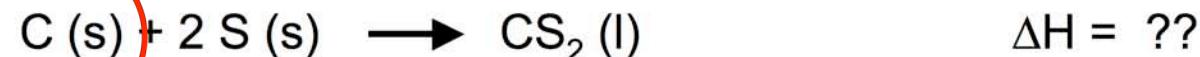


Hess's Law

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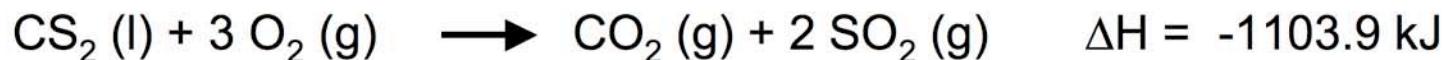
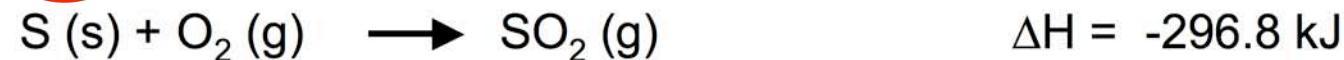
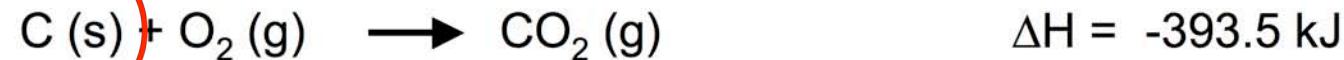


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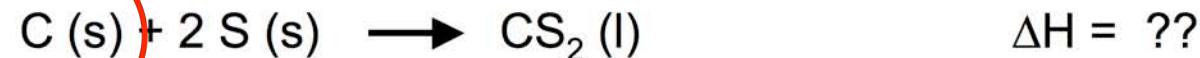


Hess's Law

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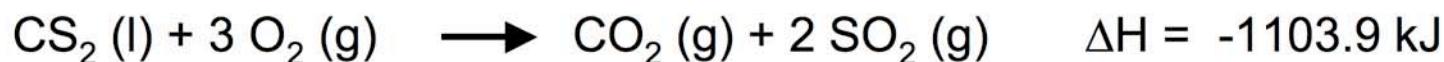
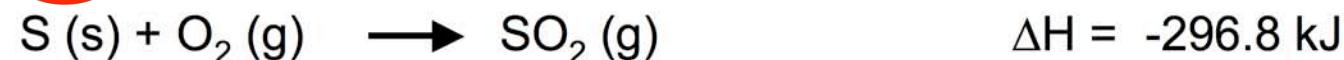
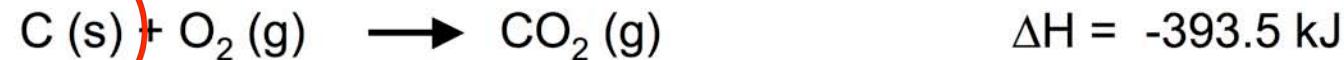


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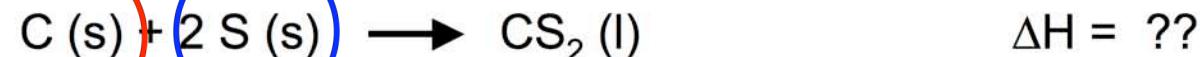


Hess's Law

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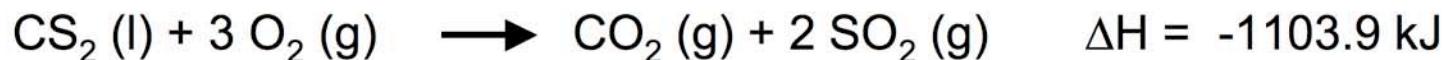
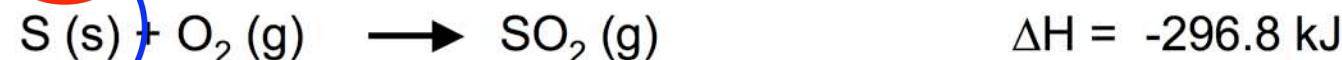
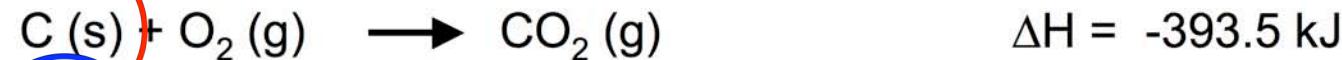


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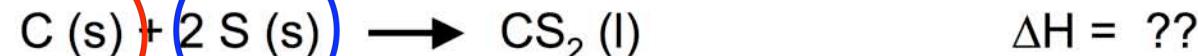


Hess's Law

Given:

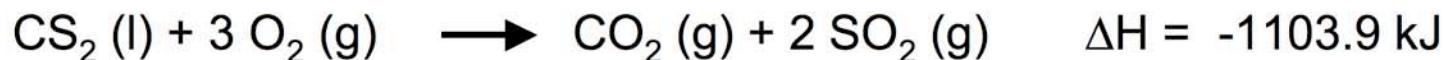
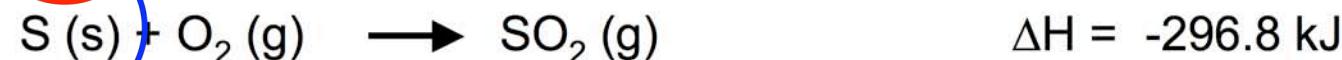
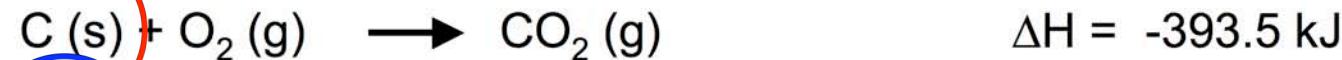


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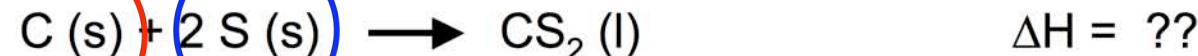


Hess's Law

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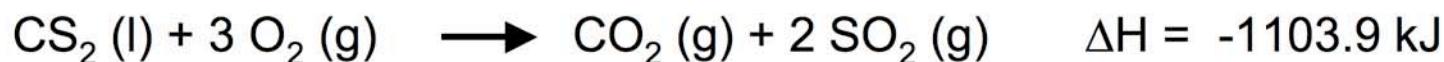
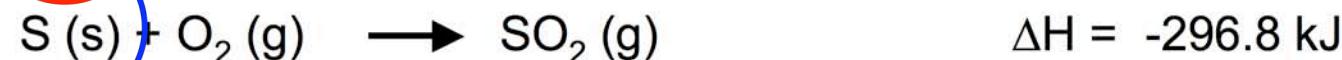
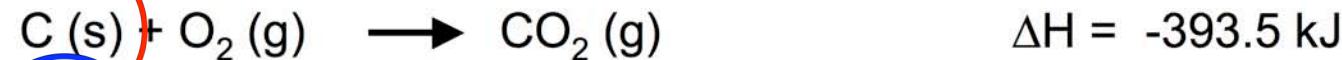


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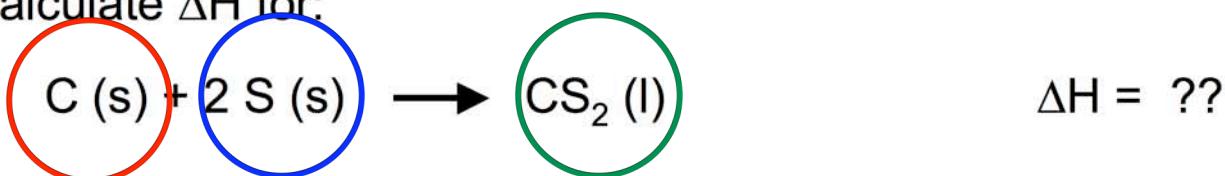


Hess's Law

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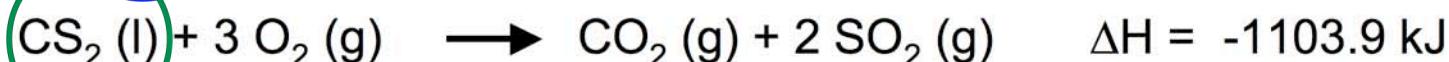
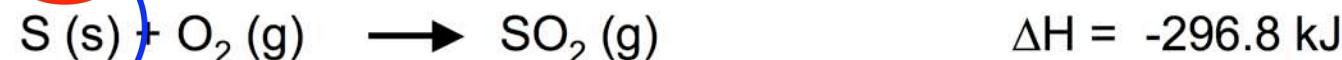
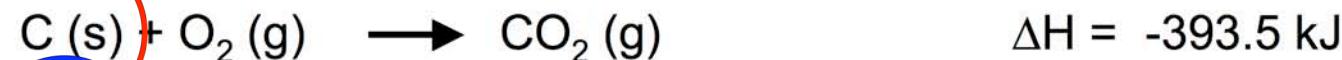


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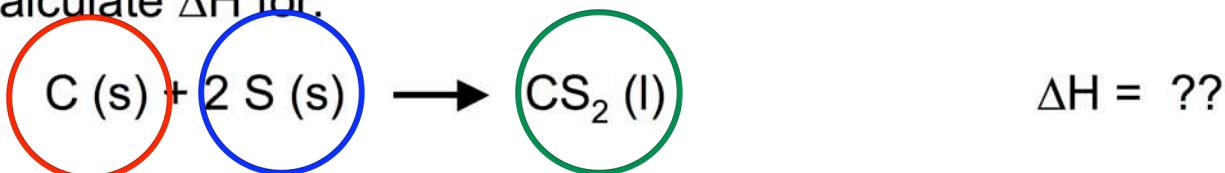


Hess's Law

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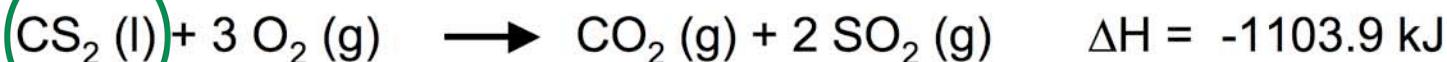
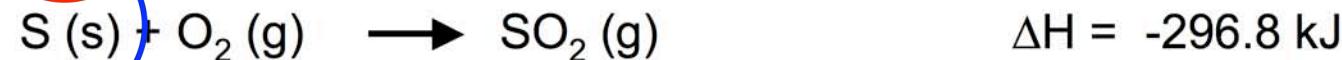
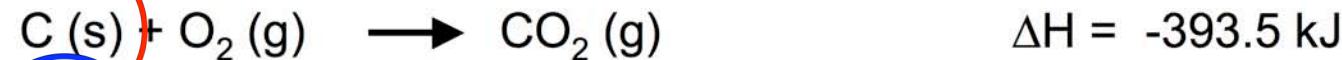


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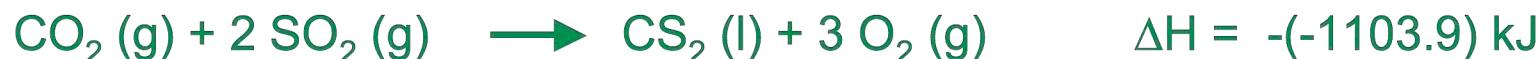
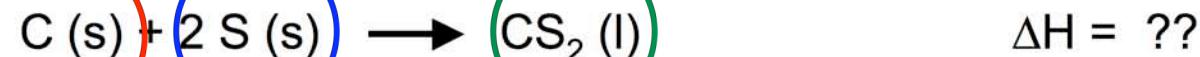


Hess's Law

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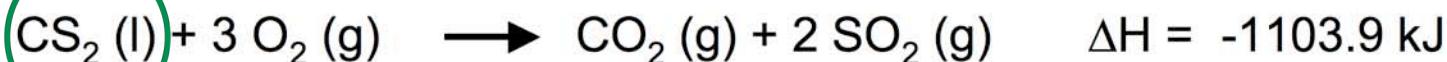
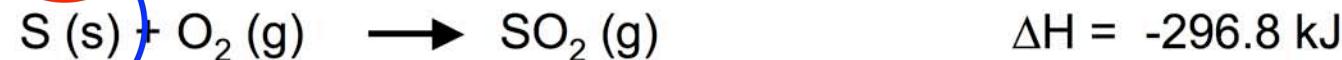
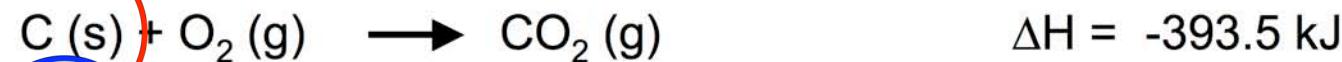


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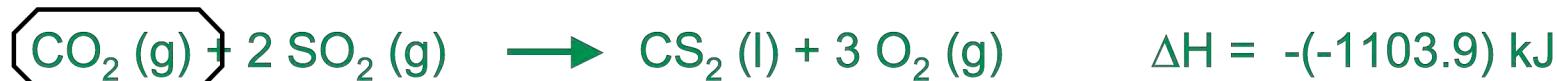
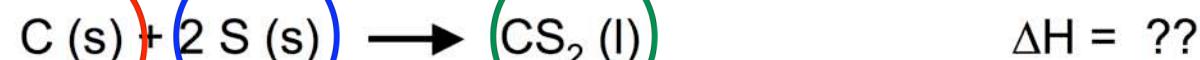


Hess's Law

Given:



Calculate ΔH for:



Hess's Law

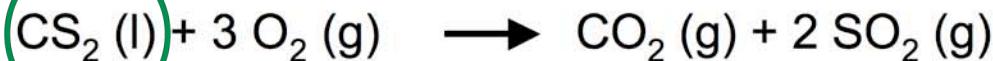
Given:



$$\Delta H = -393.5 \text{ kJ}$$

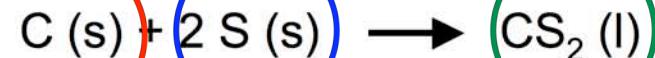


$$\Delta H = -296.8 \text{ kJ}$$



$$\Delta H = -1103.9 \text{ kJ}$$

Calculate ΔH for:



$$\Delta H = ??$$



$$\Delta H = -393.5 \text{ kJ}$$



$$\Delta H = 2(-296.8) \text{ kJ}$$



$$\Delta H = -(-1103.9) \text{ kJ}$$

Hess's Law

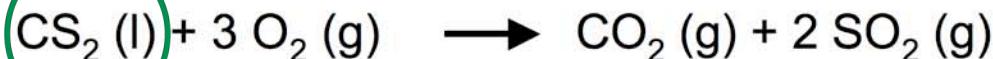
Given:



$$\Delta H = -393.5 \text{ kJ}$$

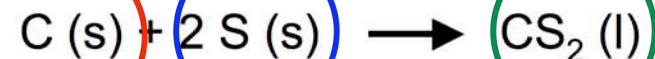


$$\Delta H = -296.8 \text{ kJ}$$



$$\Delta H = -1103.9 \text{ kJ}$$

Calculate ΔH for:



$$\Delta H = ??$$



$$\Delta H = -393.5 \text{ kJ}$$



$$\Delta H = 2(-296.8) \text{ kJ}$$



$$\Delta H = -(-1103.9) \text{ kJ}$$

Hess's Law

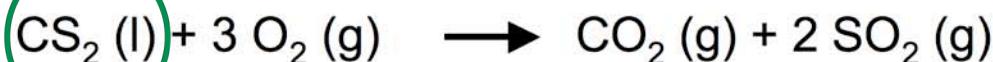
Given:



$$\Delta H = -393.5 \text{ kJ}$$

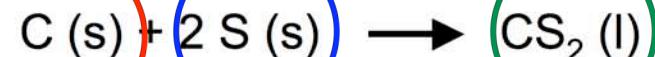


$$\Delta H = -296.8 \text{ kJ}$$



$$\Delta H = -1103.9 \text{ kJ}$$

Calculate ΔH for:



$$\Delta H = ??$$



$$\Delta H = -393.5 \text{ kJ}$$



$$\Delta H = 2(-296.8) \text{ kJ}$$



$$\Delta H = -(-1103.9) \text{ kJ}$$

Hess's Law

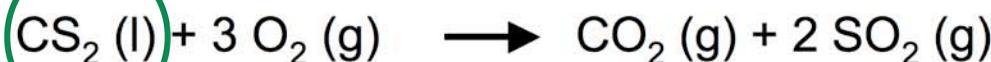
Given:



$$\Delta H = -393.5 \text{ kJ}$$

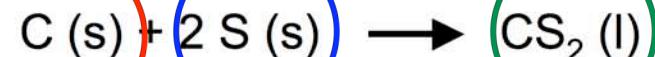


$$\Delta H = -296.8 \text{ kJ}$$

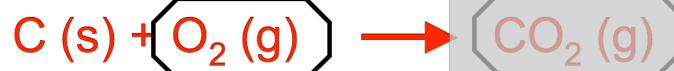


$$\Delta H = -1103.9 \text{ kJ}$$

Calculate ΔH for:



$$\Delta H = ??$$



$$\Delta H = -393.5 \text{ kJ}$$



$$\Delta H = 2(-296.8) \text{ kJ}$$



$$\Delta H = -(-1103.9) \text{ kJ}$$

Hess's Law

Given:



$$\Delta H = -393.5 \text{ kJ}$$



$$\Delta H = -296.8 \text{ kJ}$$



$$\Delta H = -1103.9 \text{ kJ}$$

Calculate ΔH for:



$$\Delta H = ??$$



$$\Delta H = -393.5 \text{ kJ}$$



$$\Delta H = 2(-296.8) \text{ kJ}$$



$$\Delta H = -(-1103.9) \text{ kJ}$$

Hess's Law

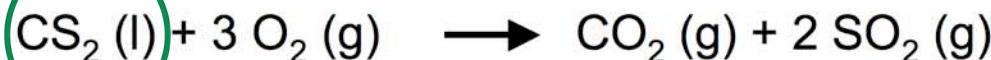
Given:



$$\Delta H = -393.5 \text{ kJ}$$

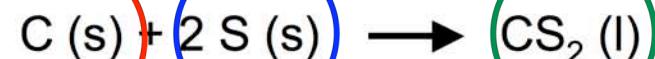


$$\Delta H = -296.8 \text{ kJ}$$



$$\Delta H = -1103.9 \text{ kJ}$$

Calculate ΔH for:



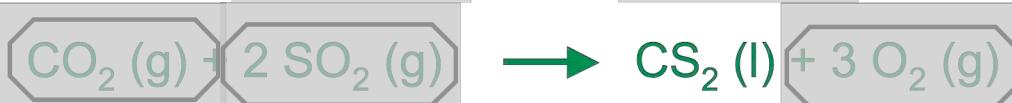
$$\Delta H = ??$$



$$\Delta H = -393.5 \text{ kJ}$$



$$\Delta H = 2(-296.8) \text{ kJ}$$



$$\Delta H = -(-1103.9) \text{ kJ}$$

Hess's Law

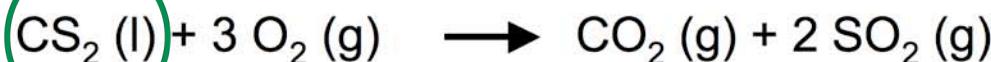
Given:



$$\Delta H = -393.5 \text{ kJ}$$



$$\Delta H = -296.8 \text{ kJ}$$



$$\Delta H = -1103.9 \text{ kJ}$$

Calculate ΔH for:



$$\Delta H = ??$$



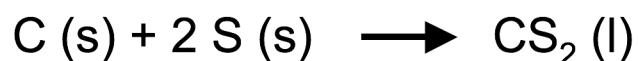
$$\Delta H = -393.5 \text{ kJ}$$



$$\Delta H = 2(-296.8) \text{ kJ}$$



$$\Delta H = -(-1103.9) \text{ kJ}$$



$$\Delta H = +116.8 \text{ kJ}$$