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Thermochemistry Crossword Puzzle

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| **Across**  **2.** Known as ΔH (3 words)  **3.** Energy in chemical bonds (3 words)  **5.** The molar heat of \_\_\_ is theheat absorbed by a solid object as it melts  **13.** Measurement of the heat flow into or out of the system  **14.** When the system loses heat the reaction is...  **15.** Known as "c" in equations (2 words)  **17.** Amount of heat needed to increase the temperature of an object by 1 degree Celsius (2 words)  **18.** Everything in the universe  **19.** (H) ΔH measures the change in this  **20.** The study of heat transfer during chemical reactions and changes in state  **21.** Heat of reaction for burning one mole of a substance (3 words) | **Down**  **1.** The law of \_\_\_ states energy cannot be created or destroyed (3 words)  **4.** The molar heat of \_\_\_ is the heat lost by one mole when a liquid solidifies  **6.** When the system gains heat the reaction is...  **7.** Insulated object used in calorimetry experiments  **8.** A chemical equation that includes the enthalpy change as either a reactant or product  **9.** The molar heat of \_\_\_ is the amount of heat needed to vaporize a liquid  **10.** The change in H caused by dissolution (4 words)  **11.** (q) Always flows from warm to cold  **12.** The molar heat of \_\_\_ is the amount of heat released when vapor condenses  **16.** The reaction or substance changing |