Thermochemistry and Law of Conservation of Energy Crossword Puzzle

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| **Across****3.** Measuring instrument for measuring temperature**5.** The molar heat of \_\_\_ is the heat lost by one mole when a liquid solidifies**8.** A material that does not conduct heat well**9.** (H) ΔH measures the change in this**10.** Known as "c" in equations (2 words)**11.** Separated from its surroundings by either physical or mental boundary**13.** Measurement of the heat flow into or out of the system**14.** (q) Always flows from warm to cold**15.** Known as ΔH (3 words)**18.** What cannot be created or destroyed, but it can CHANGE FORMS**20.** The study of heat transfer during chemical reactions and changes in state**21.** Sum of an objects kinetic energy and potential energy.**22.** When the system loses heat the reaction is...**23.** A form of energy that travels through space as waves. **24.**  When the system gains heat the reaction is...**25.** The change in H caused by dissolution (4 words) | **Down****1.** Energy of radiant objects such as fire.**2.** Unit of energy**4.** The molar heat of \_\_\_ is the amount of heat released when vapor condenses**6.** The law of \_\_\_ states energy cannot be created or destroyed (3 words)**7.** The mechanical energy that a body has in storage by virtue of its position**12.** Energy in the form of motion**16.** Form of energy of nuclear reactions**17.** A measure of the average kinetic energy of all the particles in an object.**19.** The flow of negatively charge electrons results in the formation of \_\_\_\_\_\_\_ energy |