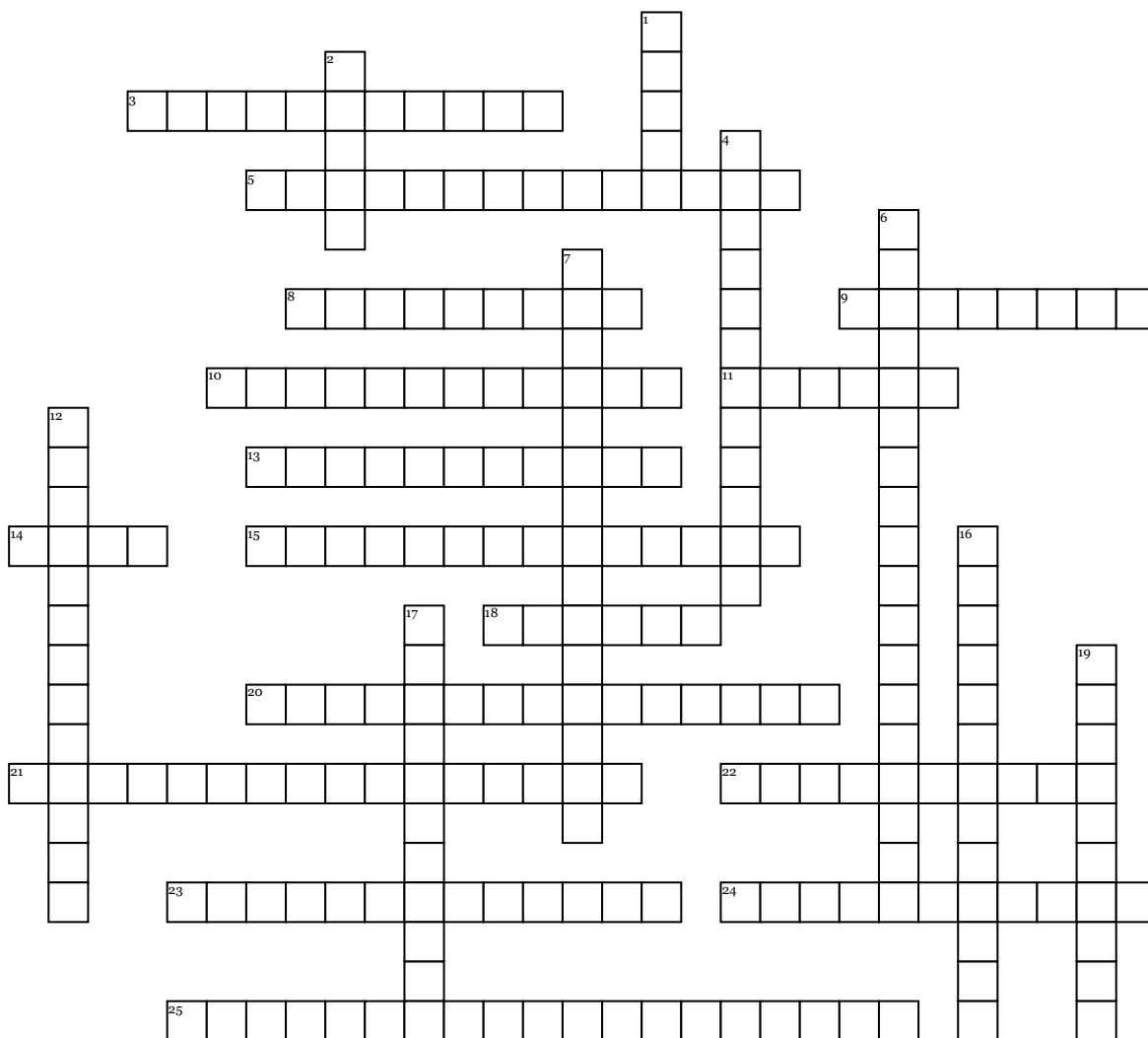


Thermochemistry and Law of Conservation of Energy Crossword Puzzle



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