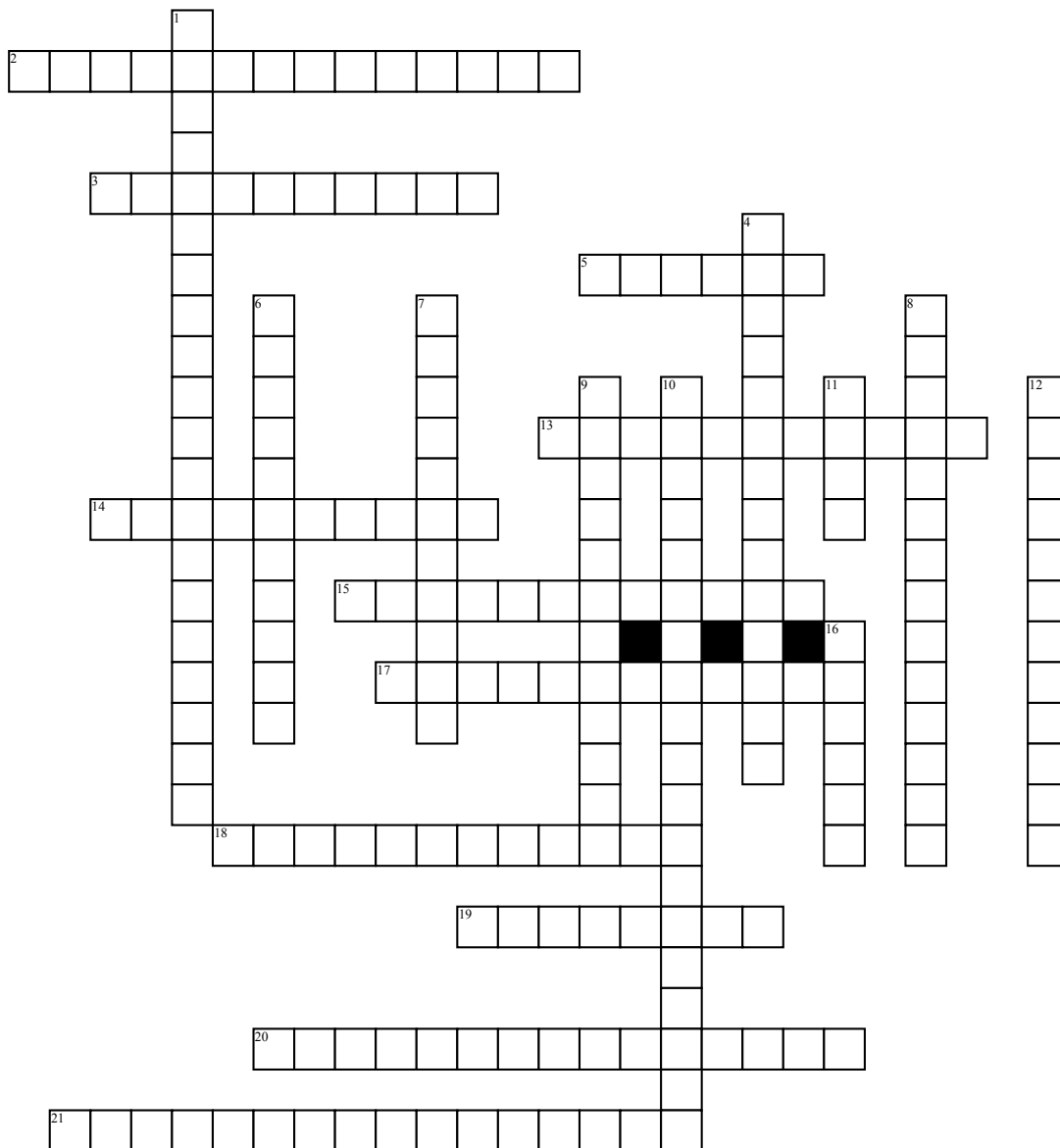


Thermochemistry Crossword Puzzle



Across

- 2. Known as ΔH (3 words)
- 3. Energy in chemical bonds (3 words)
- 5. The molar heat of ___ is the heat 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