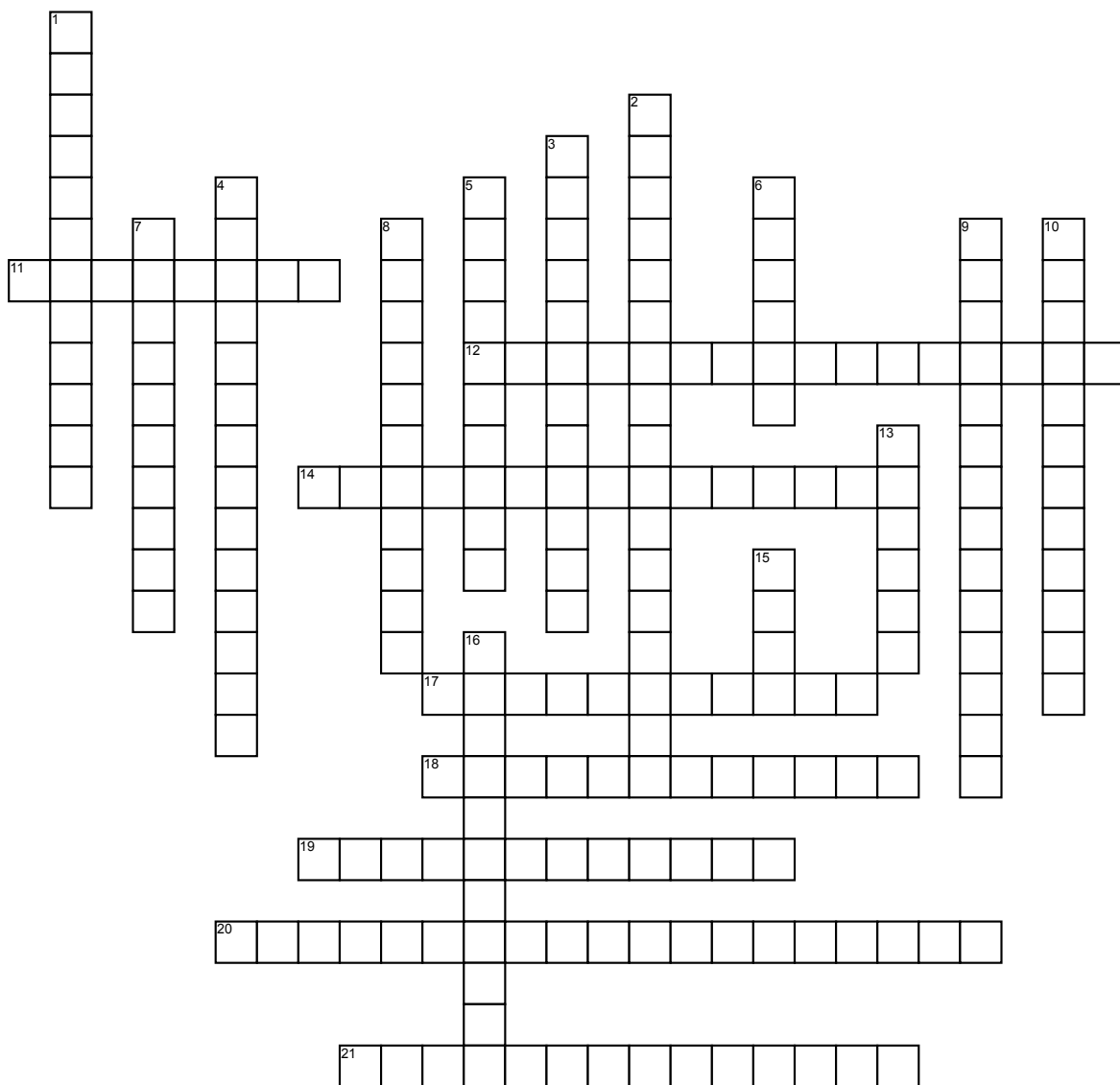


Name: _____ Date: _____ Period: _____

Thermochemistry



Across

11. (H) ΔH measures the change in this

12. Heat of reaction for burning one mole of a substance (3 words)

14. The study of heat transfer during chemical reactions and changes in state

17. Measurement of the heat flow into or out of the system

18. The molar heat of ____ is the amount of heat released when vapor condenses

19. Known as "c" in equations (2 words)

20. The change in H caused by dissolution (4 words)

21. A chemical equation that includes the enthalpy change as either a reactant or product

Down

1. Everything else around "it"

2. The law of ____ states energy cannot be created or destroyed (3 words)

3. Amount of heat needed to increase the temperature of an object by 1 degree Celsius (2 words)

4. The molar heat of ____ is the heat lost by one mole when a liquid solidifies.

5. When the system loses heat the reaction is...

6. The molar heat of ____ is the heat absorbed by a solid object as it melts

7. Energy in chemical bonds (3 words)

8. When the system gains heat the reaction is...

9. Known as ΔH (3 words)

10. The molar heat of ____ is the amount of heat needed to vaporize a liquid.

13. The reaction or substance changing

15. (q) Always flows from warm to cold

16. Insulated object used in calorimetry experiments