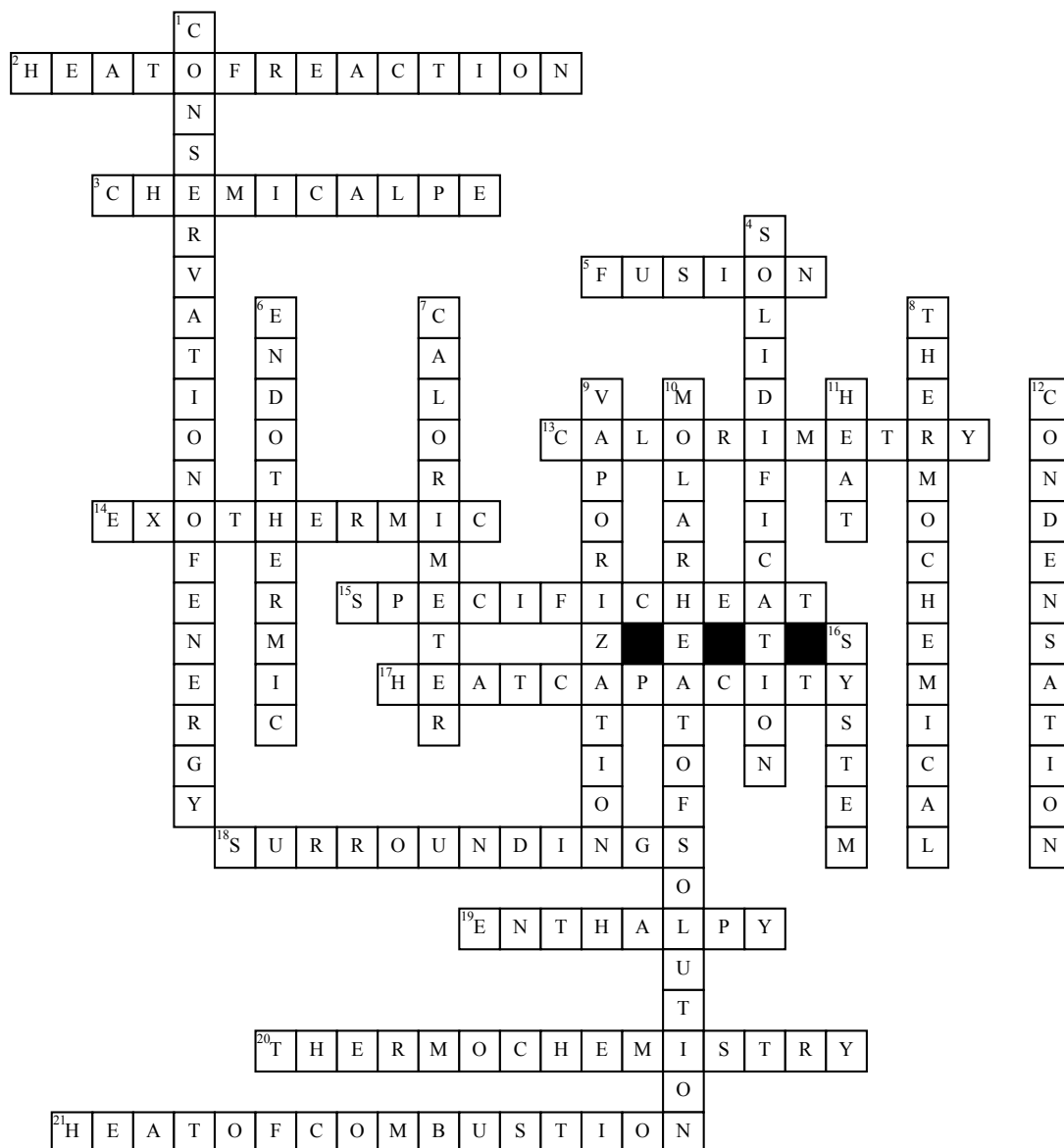


Name: _____ Date: _____ Period: _____

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