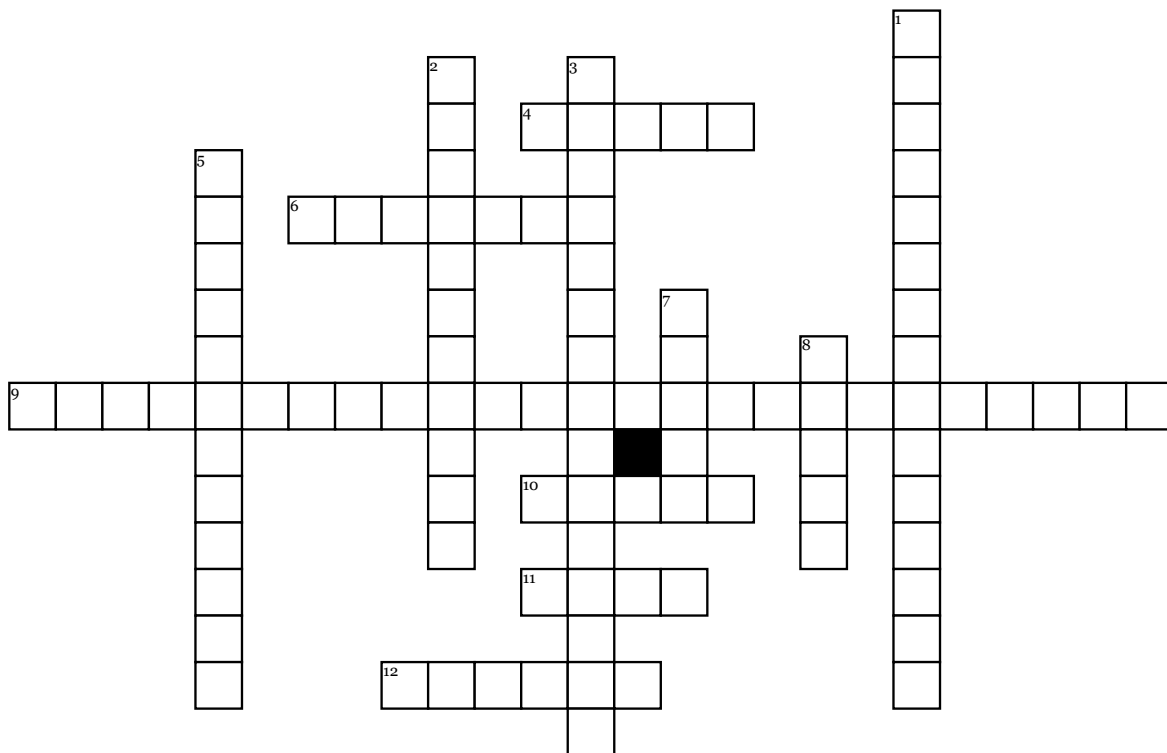


Thermochem Test Corrections



Across

4. The energy equal to the work done by a force of one newton

6. A _____ is the energy needed to raise the temperature of 1g of water through 1 °C or 4.1868 joules

9. This law means that energy can neither be created nor destroyed

10. _____ law states that regardless of the multiple stages or steps of a reaction, the total enthalpy change for the reaction is the sum of all changes

11. Enthalpy is the amount of _____ transferred in a reaction. The symbol for enthalpy is ΔH

12. _____ is the ability to do work

Down

1. The study of the heat energy associated with chemical reactions and/or physical transformations

2. A _____ is a device used to measure the heat flow of a chemical reaction or physical change

3. This energy has the potential to be converted into other forms of energy, like kinetic energy

5. The heat required to raise the temperature of the unit mass of a given substance by a given amount

7. An endothermic reaction is one that _____ heat from the surroundings (+ ΔH)

8. An exothermic process is one that _____ heat to the surroundings (- ΔH)