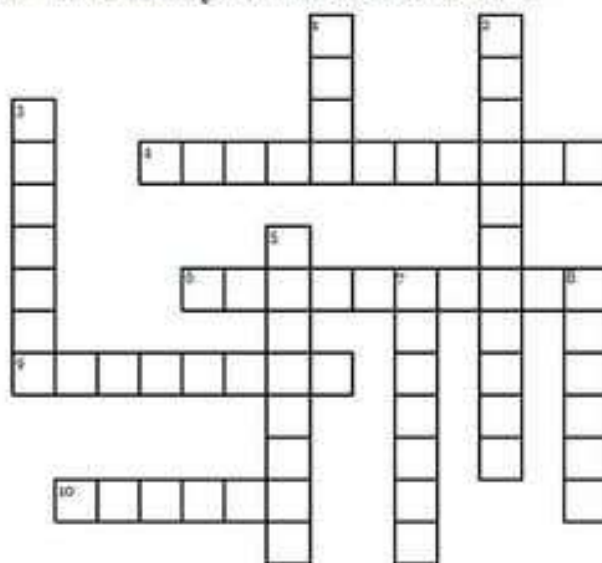


Name: _____
 Year/Section: _____

Date: _____

THERMODYNAMICS PUZZLE

Instructions: Solve the following crossword puzzle using concepts related to Thermodynamics. Have fun!



- Across
- 4 A(n) _____ process is one that is able to take place in a system left to itself. No external action is required to make the process go, although in some cases the process may take a very long time.
- 6 A process in which a system releases heat to its surroundings is called a(n) _____ process.
- 9 _____ is a thermodynamic quantity that is the sum of the internal energy plus the product of the pressure and volume.
- 10 The heat of _____ is the enthalpy change for a melting solid.

- Down
- 1 _____ is a transfer of thermal energy as a result of a temperature difference.
- 2 A(n) _____ is an apparatus that measures the evolution of heat.
- 3 The _____ is the quantity of heat required to change the temperature of one gram of water by one degree Celsius.
- 5 To drive a non-spontaneous reaction forward, one of the techniques applied is through _____ the _____ thermodynamically forbidden chemical reaction with a thermodynamically allowed one.
- 7 The measure of randomness in a system is called _____.
- 8 A(n) _____ system is one that can exchange energy but not matter with its surroundings.