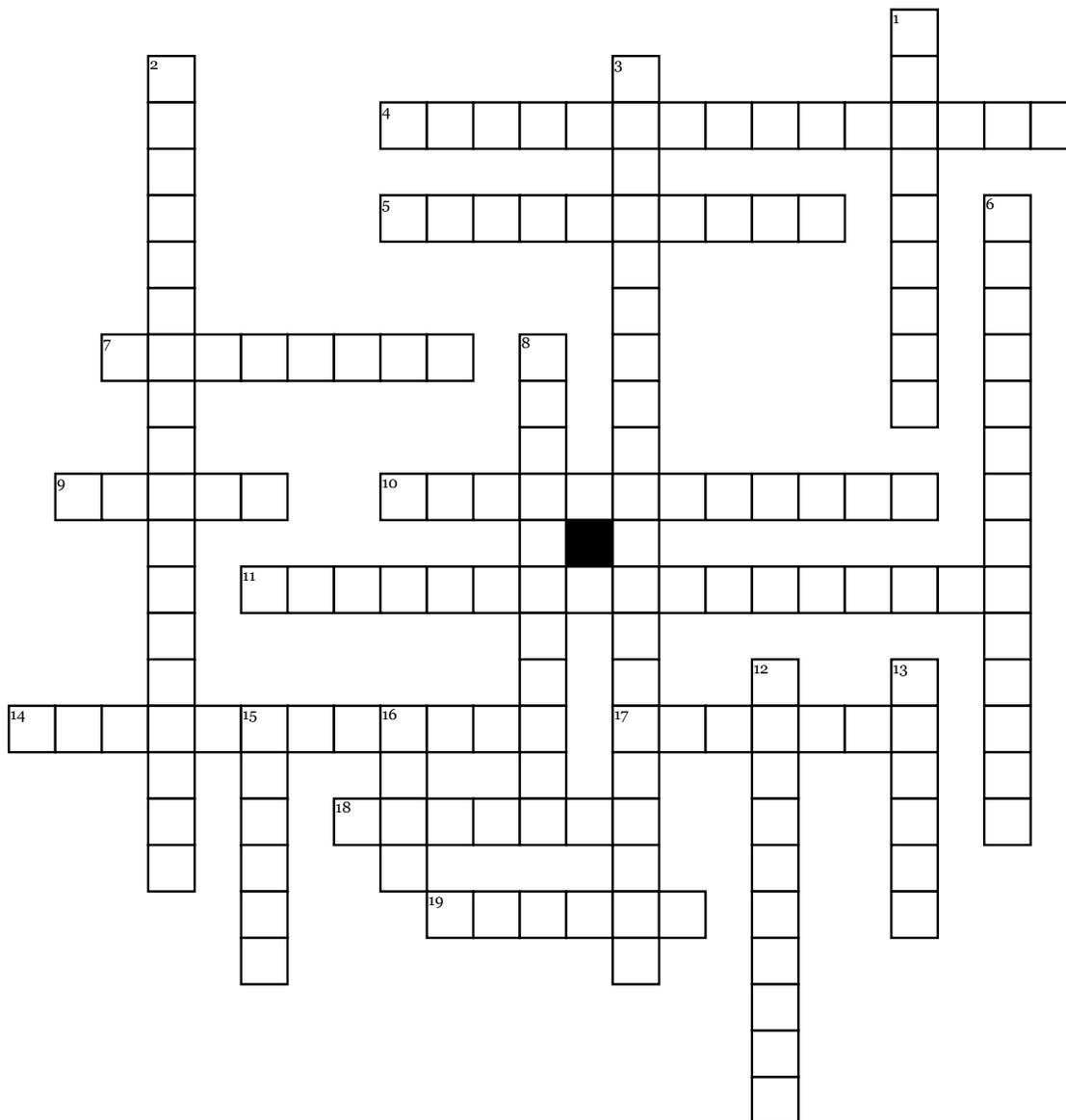


# Ch. 15 Vocab Crossword Puzzle



## Across

- 4.** The study of Heat changes that accompany Chemical reactions and Phase Changes
- 5.** Enthalpy (Heat) of \_\_\_\_\_ -The Enthalpy change for the complete burning of one mole of a substance.
- 7.** The Heat content of a system at constant Pressure
- 9.** The SI unit for Heat and Energy.
- 10.** Molar Enthalpy (Heat) of \_\_\_\_\_ - The amount of Heat needed to Vaporize one mole of a Liquid substance.
- 11.** The stepwise procedure for determining Standard Heats of Formation.
- 14.** The amount of Heat needed to raise the Temperature of one gram of a specific substance one degree Celsius.

**17.** A measure of the randomness of the System.

**18.** The amount of Heat required to raise the Temperature of one gram of pure water by one degree Celsius.

**19.** The capacity to do Work or produce Heat.

## Down

**1.** If two or more Thermochemical Equations can be added to produce a final equation for a reaction, then the sum of the enthalpy changes for the individual reactions is the Enthalpy change for the final reaction.

**2.** A Physical or Chemical change that occurs without outside intervention, although it may require Energy to be supplied to start the process.

**3.** In any Chemical Reaction or physical process, Energy may change from one form to another, but it is neither created nor destroyed.

**6.** The scientific study of Heat.

**8.** An insulated device that is used to measure the amount of Heat released or absorbed during a Physical or Chemical process.

**12.** The energy available to do Work.

**13.** In Thermochemistry, the specific part of the Universe containing the reaction or process being studied.

**15.** Molar Enthalpy (Heat) of \_\_\_\_\_ -The amount of Heat needed to melt one mole of a Solid substance.

**16.** A form of Energy that flows from a warmer object to a cooler object.