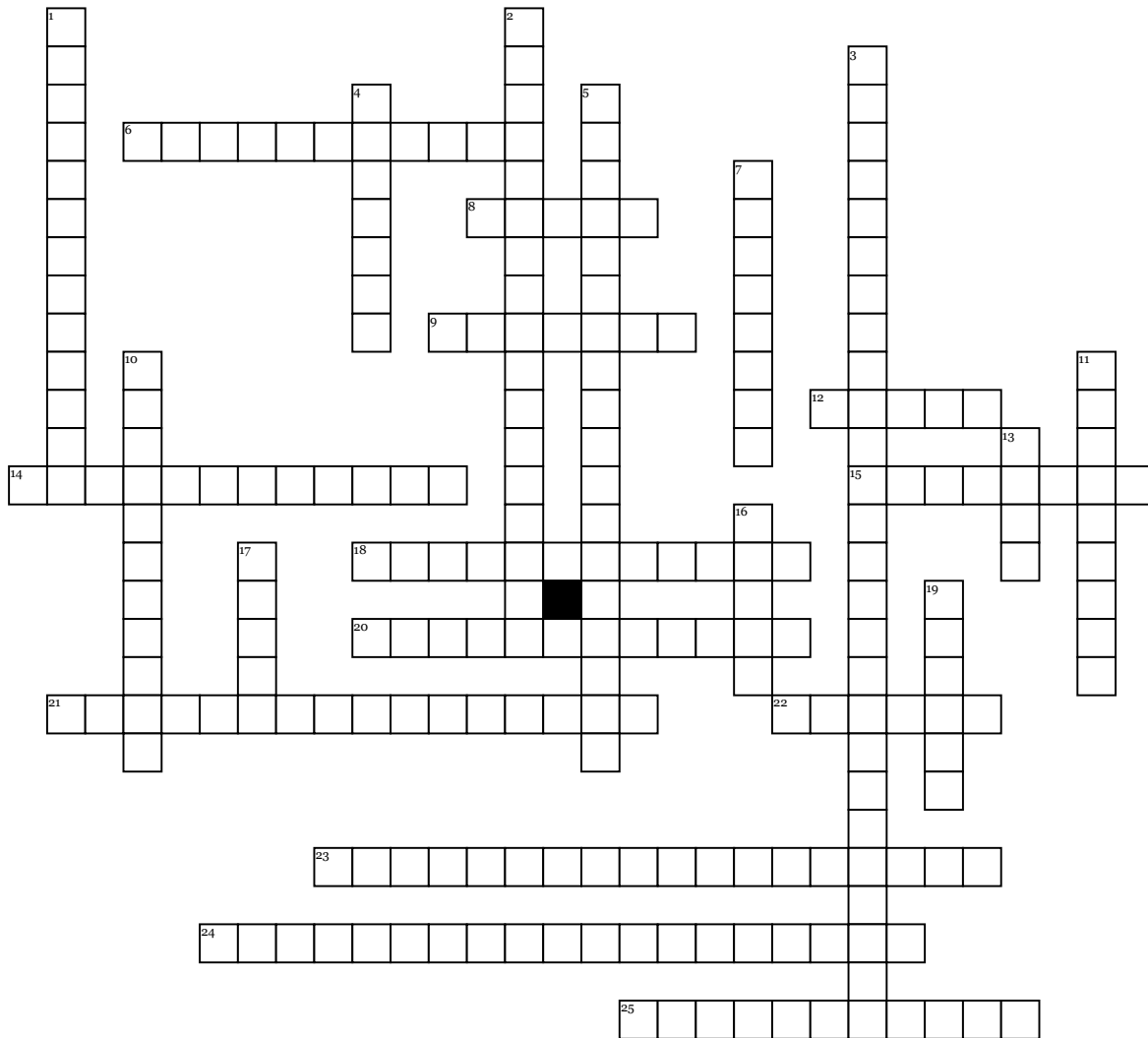


Chapter 3 Vocabulary



Across

- 6.** a measure of how hot or cold an object is
8. , a non SI unit commonly used to measure volume
9. the ratio of the mass of an object to its volume
12. the basic unit for energy in SI
14. sets the freezing point of water at 0 degrees and the boiling point of water at 100 degrees
15. a measure of how close a measurement comes to the true value of whatever is being measured
18. equal to 0 degrees K or -273 degrees C
20. the absolute value of the error divided by the accepted value, multiplied by 100

- 21.** a ratio of equivalent measurements

- 22.** the capacity to do work or produce heat

- 23.** refer to the number of "important" digits present in a specific value

- 24.** a way to analyze and solve problems using the units of the measurements

- 25.** sets the freezing point of water at 273.15 degrees and the boiling point of water at 373.15 degrees

Down

- 1.** the correct value of a measurement based on reliable references

- 2.** the value measured in a lab

- 3.** a revised version of the metric system

- 4.** a common non SI unit used to measure energy

- 5.** a given number written as the product of two numbers, which include a coefficient and 10 raised to a power

- 7.** the basic unit of mass in SI

- 10.** a quantity that has both a number and a unit

- 11.** a measure of how close a series of measurements are to each other, irrespective to the actual value

- 13.** 1/1000 of a kilogram

- 16.** the difference between the experimental value and the accepted value

- 17.** the basic unit of length (or linear measure) in SI

- 19.** Weight, a force that measures the pull on a given mass by gravity