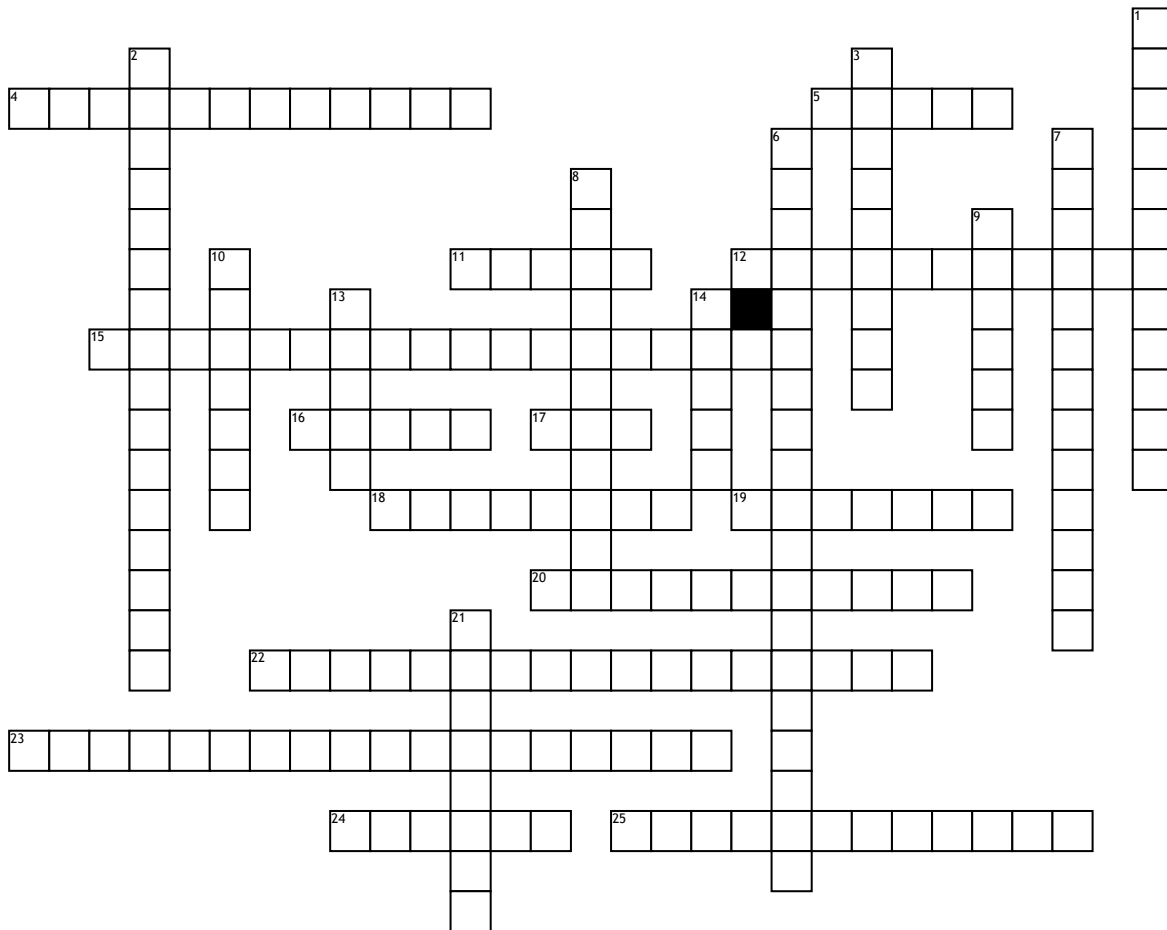


Name: _____

Date: _____

Ch.3 Vocab



Across

4. Equal to -273.15 degrees Celsius
 5. 1/1000 of a kilogram
 11. SI unit of energy
 12. a quantity that has both a number and a unit
 15. includes all of the digits that are known, plus the last digit that is estimated
 16. the basic unit of length, or linear measure
 17. a revised version of the metric system
 18. a measure of how close a measurement comes to the actual value
 19. the quantity of heat that raised the temp. of 1g of pure water by 1 degrees Celsius

20. a measure of how hot or cold an object is
 22. the value measured in the lab
 23. a given number written as the product of two numbers raised to a power of 10
 24. the capacity to do work or to produce heat
 25. scale of temperature in which water freezes at 0 degrees and boils at 100 degrees

Down

1. the absolute value of the error divided by the accepted value, multiplied by 100%
 2. a ratio of equivalent measurements
 3. a measure of how close a series of measurements are to another

6. a way to analyze and solve problems using the units
 7. the correct value for the measurement based on reliable references
 8. scale of temperature with absolute zero as zero, and the triple point of water as exactly 273.16 degrees
 9. a force that measures the pull on a given mass by gravity
 10. the ratio of the mass of an object to its volume
 13. convenient unit of volume for everyday use
 14. difference between the experimental value and accepted value
 21. the basic SI unit of mass