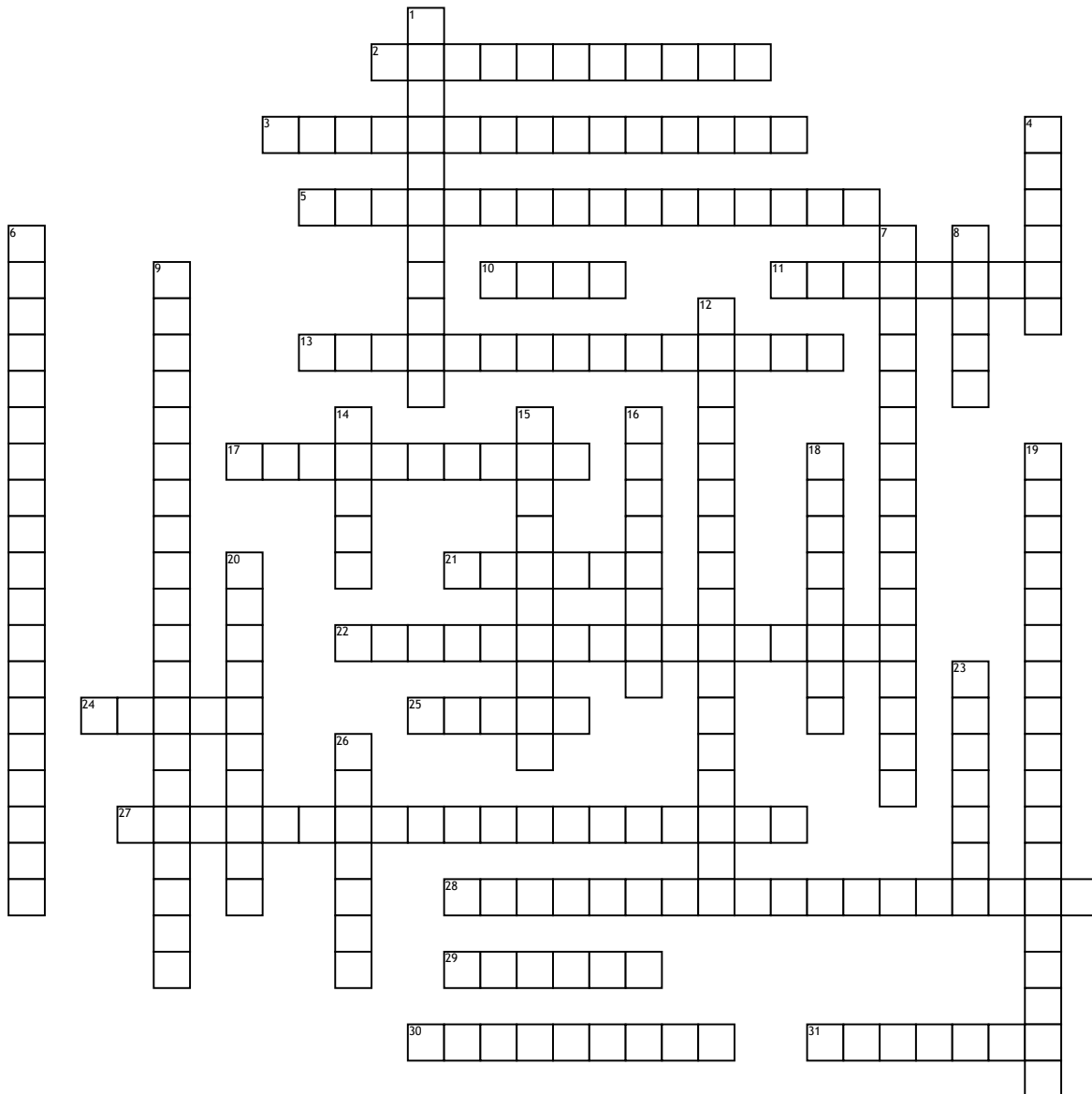


Measurement Vocabulary



Across

2. A measure of the average kinetic energy of a substance. A measure of how fast a sample's molecules are moving
 3. Data that can be measured or counted. Data that describes the quality of something. Cannot be counted
 5. The easiest way to describe what a scientist does. A simplified set of steps that can guide an experiment.
 10. The SI unit for measuring mass
 11. 1,000 grams
 13. A derived unit used to measure volume. $1.0 \text{ cm}^3 = 1.0 \text{ mL}$
 17. A scientific prediction based on research, evidence, and/or observation
 21. The measure of the force of gravity acting on an object
 22. Data that can be measured or counted
 24. The SI unit for length
 25. The SI unit for volume

27. The variable of an experiment that the scientist controls. What is being tested
 28. The relationship between two variables is a direct relationship if when one increases the other increases
 29. A temperature scale used by chemists and physicists which has no negative numbers
 30. How close a group of measurements are to each other
 31. A unit that measure of thermal energy

Down

1. A unit that is made from other SI units. EX: Area has a unit of m^2 (length x width)
 4. The amount of space a sample of matter takes up
 6. The process of converting from one unit or metric prefix to another unit or metric prefix using conversion factors.
 7. A fraction used to convert from one unit or metric prefix to another unit or metric prefix.
 8. A visual representation of data that makes trends in the data more evident

9. The relationship between two variables is an inverse relationship if when one increases the other decreases or as one decreases the other increases
 12. The variable that is measured by the scientist. What the independent variable does
 14. A unit that can be used to measure any form of energy
 15. 0.001 L
 16. the amount or number of something.
 18. How close a measurement is to the true value.
 19. A way of determining the precision of a measurement. A way to know how to round a number without asking the teacher.
 20. A test a scientist does to collect data to support or refute a scientific question or claim
 23. A temperature scales based on the freezing point and boiling point of water
 26. A derived value that describes an object's mass divided by its volume