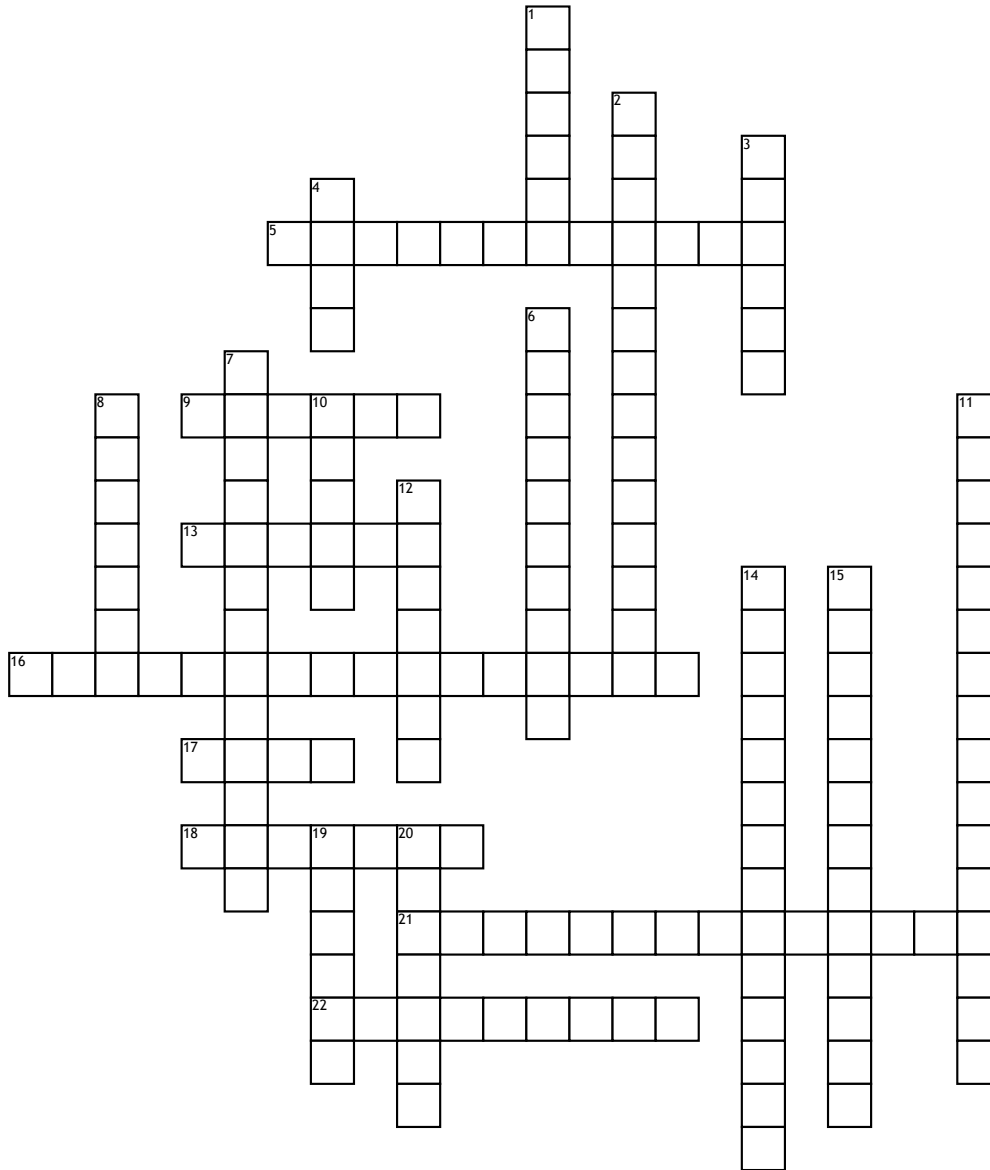


Building Blocks Vocabulary



Across

5. The number of protons in the nucleus of an atom
 9. The measure of gravitational force on an object's mass
 13. The amount of 3d space an object occupies
 16. A property of matter that can be observed or measured without changing the substance
 17. The amount of matter in an object
 18. Pure substance that can't be separated into simpler substances by physical or chemical change
 21. One or more substances change into entirely new substances with different properties. Can not be reversed

22. Negatively charged particles found in the electron clouds of atoms. -1

Down

1. Positively charged particles found in the nucleus of an atom. +1
 2. The metric unit used to express the masses of particles in atoms.
 3. Horizontal rows of elements (Left to Right) on the Periodic Table
 4. The smallest particle into which an element can be divided and still be the same substance
 6. The sum of the protons and neutron in an atom
 7. A table of elements that organizes them according to a regular, repeating pattern
 8. The amount of matter (mass) per unit volume

10. Each Column of events (top to bottom) on the Periodic Table

11. A property of matter that describes a substance based on its ability to change into a new substance with different properties
 12. Particles found in the nucleus of an atom that have no charge but have mass
 14. Affects one or more physical properties of a substance. Can be reversed.
 15. Physical forms a substance can exist in. Solid, Liquid, Gas, Plasma
 19. Any object or thing that has measurable volume and mass
 20. The tiny, dense, positively charged center of an atom. (protons and neutrons located here)