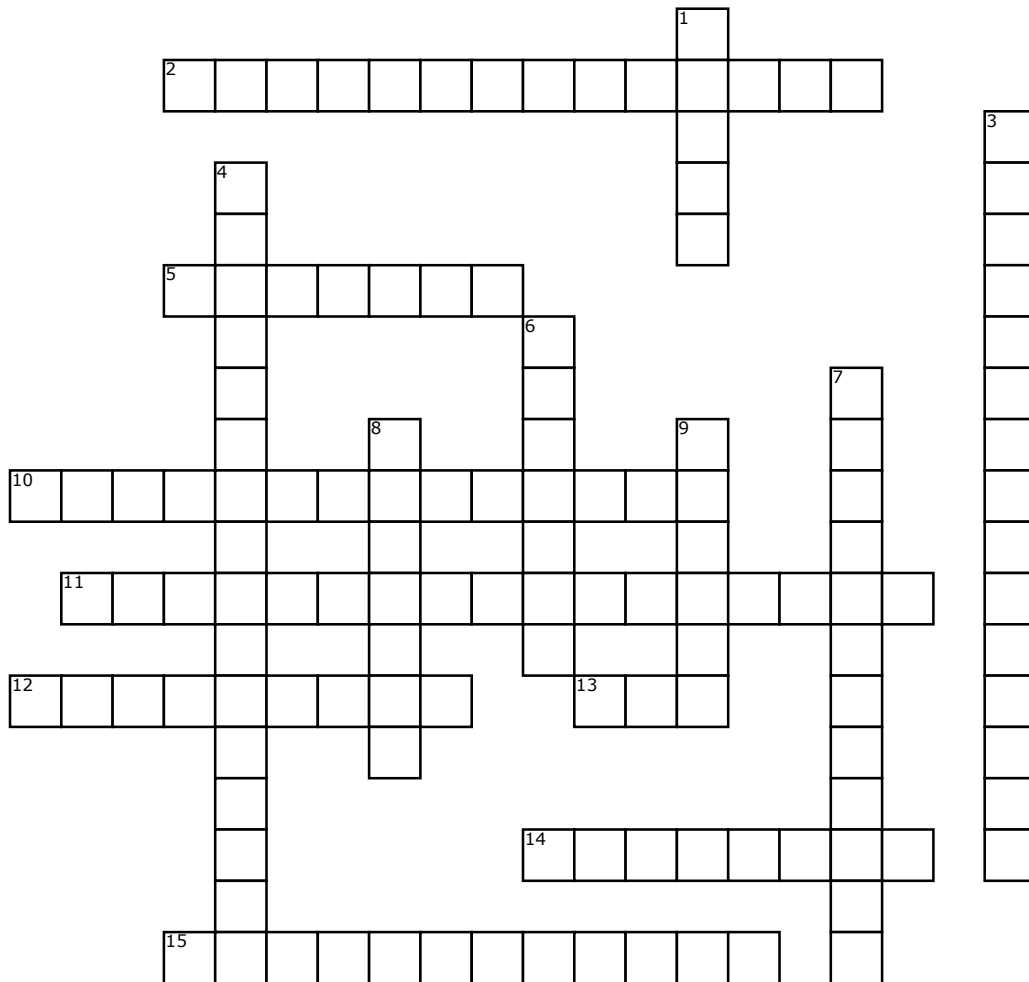


Atomic Crossword



Across

- 2. properties that can be measured or observed only when matter undergoes a change to become an entirely different kind of matter
- 5. neutrally charged parts of an atom
- 10. observed or measured without changing the composition of matter
- 11. a particle smaller than an atom
- 12. a positively charged ion forms a bond with a negatively charged ions and one atom transfers electrons to another

- 13. an atom or molecule with a net electric charge due to the loss or gain of one or more electrons
- 14. negatively charged parts of an atom
- 15. the type of chemical bond between atoms in a metallic element, formed by the valence electrons moving freely through the metal lattice.

Down

- 1. basic building blocks of all matter
- 3. The attractive or repulsive interaction between any two charged objects is an

- 4. the physical property of matter that causes it to experience a force when placed in an electromagnetic field
- 6. a chemical element is an atom that has a different number of neutrons
- 7. a chemical bond that involves the sharing of electron pairs between atoms
- 8. a substance that cannot be broken down into simpler components by any non-nuclear chemical reaction
- 9. positively charged parts of an atom

Word Bank

- | | | | |
|--------------------|------------------|-------------------|-----------------|
| Subatomic Particle | Ionic Bond | Atoms | Covalent Bond |
| Chemical Matter | Electrical Force | Ion | Physical Matter |
| Element | Isotope | Electrical Charge | Electron |
| Neutron | Metallic Bond | Proton | |