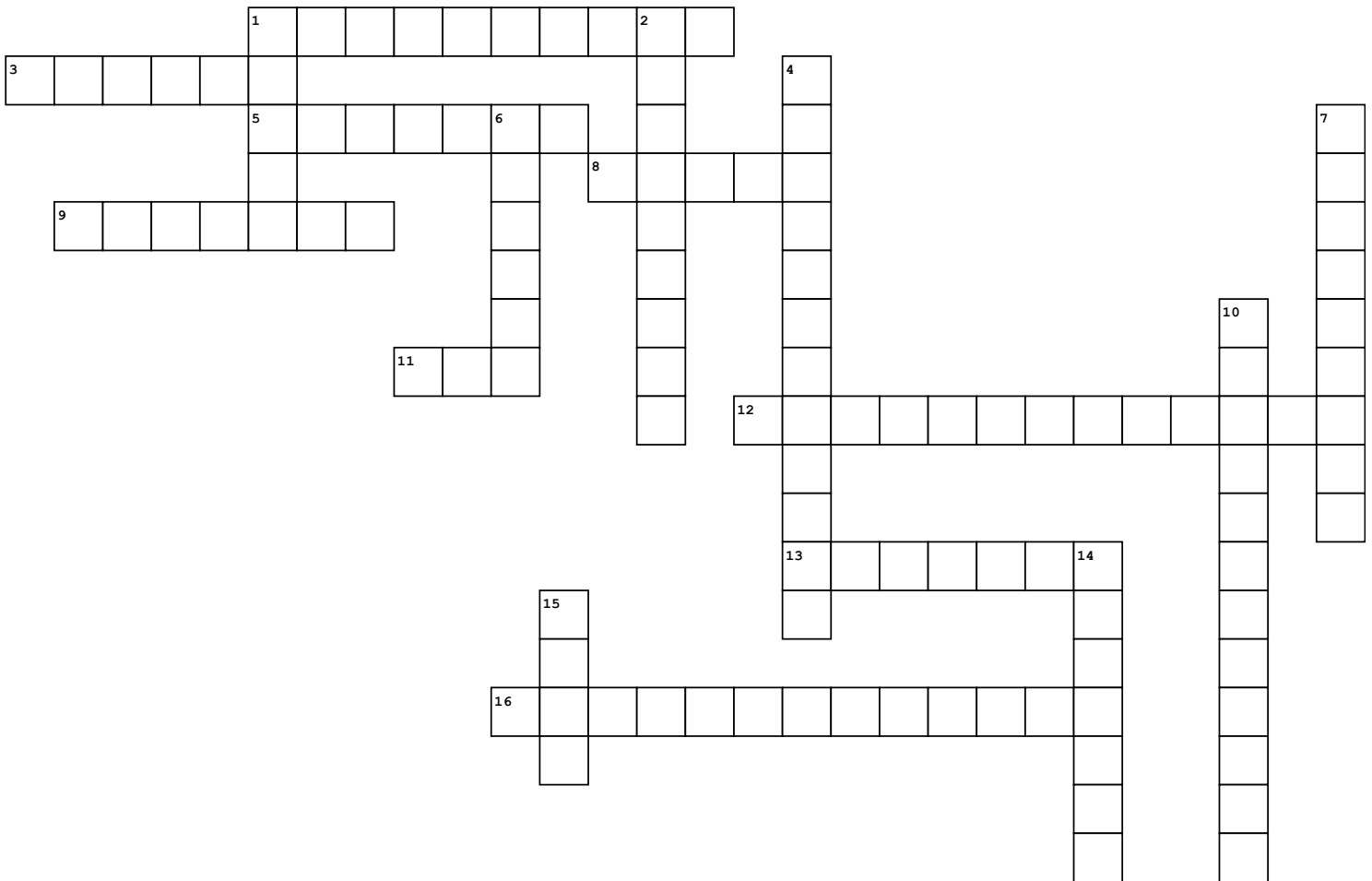


Atoms



Across

1. - Sum of protons and neutrons in an atom.
3. - Positively charged ion.
5. - Atoms with the same number of protons but different neutrons.
8. - Periodic _____ is the arrangement of elements based on atomic number.
9. - Number of electrons in the outermost energy level.
11. - Charged particle formed by gaining or losing electrons.
12. - Region where electrons are likely to be found.
13. - Electrically neutral subatomic particle.
16. - Energy level where electrons orbit the nucleus.

Down

1. - Negatively charged ion.
2. - Particles smaller than an atom (e.g., protons, neutrons, electrons).
4. - Force holding atoms together in a compound.
6. - Positively charged subatomic particle.
7. - Simplified representation of an atom's structure.
10. - Number of protons in an atom.
14. - Central part of an atom containing protons and neutrons.
15. - Unit used to express amounts of a chemical substance.