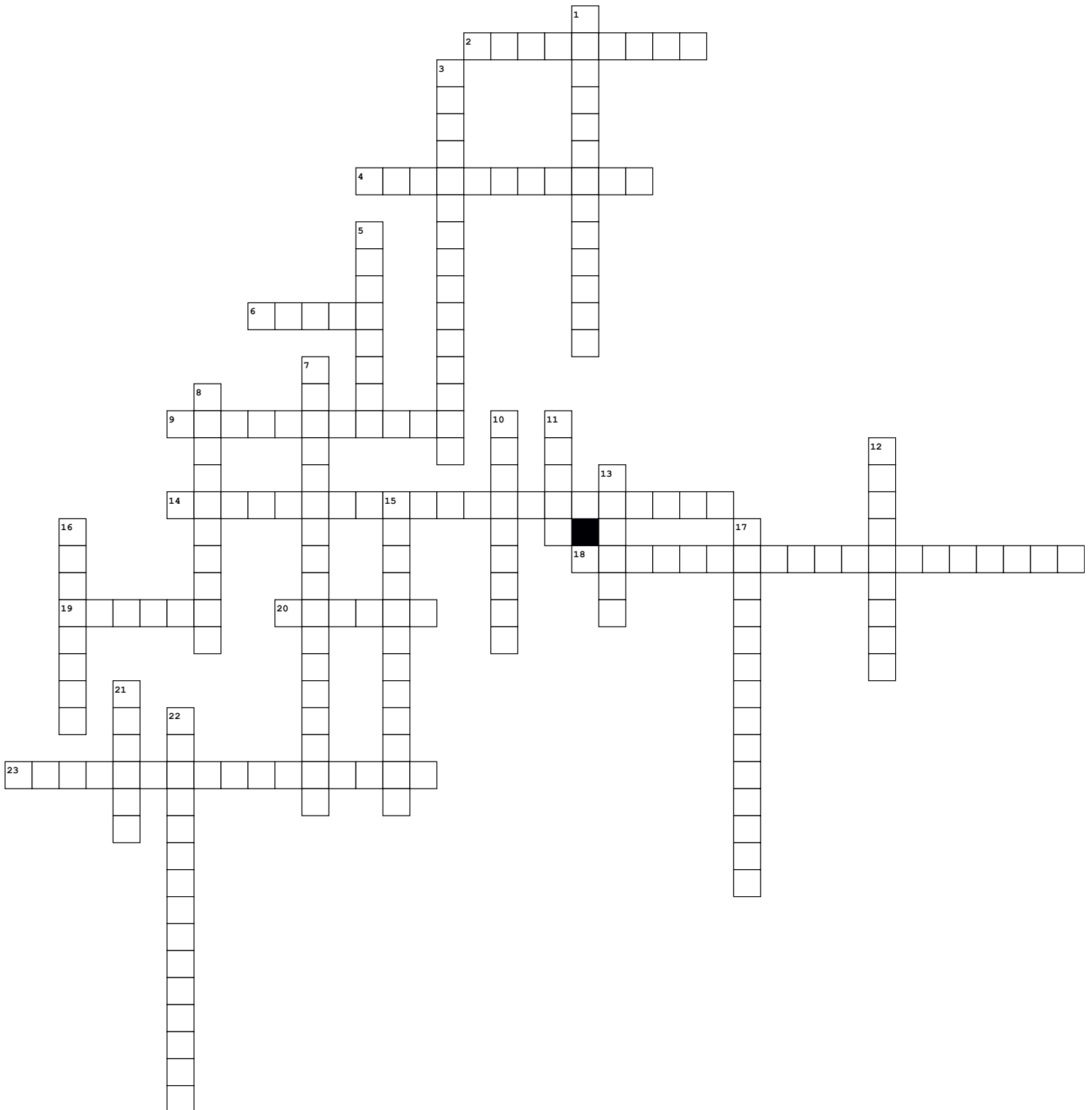


# Science Vocab



## Across

- 2. a chemical element that mostly lacks the characteristics of a metal
- 4. an ion with a positive charge

## Down

- 1. a tabular display of the chemical elements, which are arranged by atomic number, electron configuration, and recurring chemical properties

6. a distinct and homogeneous form of matter
9. an ion with a negative charge
14. the distribution of electrons of an atom or molecule in atomic or molecular orbitals
18. a compound composed of a monatomic metal cation and a monatomic nonmetal anion
19. name given to a horizontal row of the periodic table
20. a solid material that is typically hard, shiny, malleable, fusible, and ductile, with good electrical and thermal conductivity
23. an electron of an atom located in the outermost shell
3. a lasting attraction between atoms, ions or molecules that enables the formation of chemical compounds
5. a group of atoms bonded together, representing the smallest fundamental unit of a chemical compound that can take part in a chemical reaction
7. any of the chemical elements belonging to the s and p blocks of the periodic table
8. an element whose properties are intermediate between those of metals and solid nonmetals or semiconductors.
10. a type of chemical bonding that involves the electrostatic attraction between oppositely charged ions
11. name given to a vertical column of the periodic table
12. A figure, letter, or symbol written below and to the side of another
13. a group of elements with similar chemical properties
15. a chemical bond that involves the sharing of electron pairs between atoms
16. a substance formed from two or more elements chemically united in fixed proportions
17. a substance composed of exactly two different elements, which are substances that cannot be simplified further by chemical means
21. the general tendency of a set of data to change
22. a way of presenting information about the chemical proportions of atoms that constitute a particular chemical compound or molecule