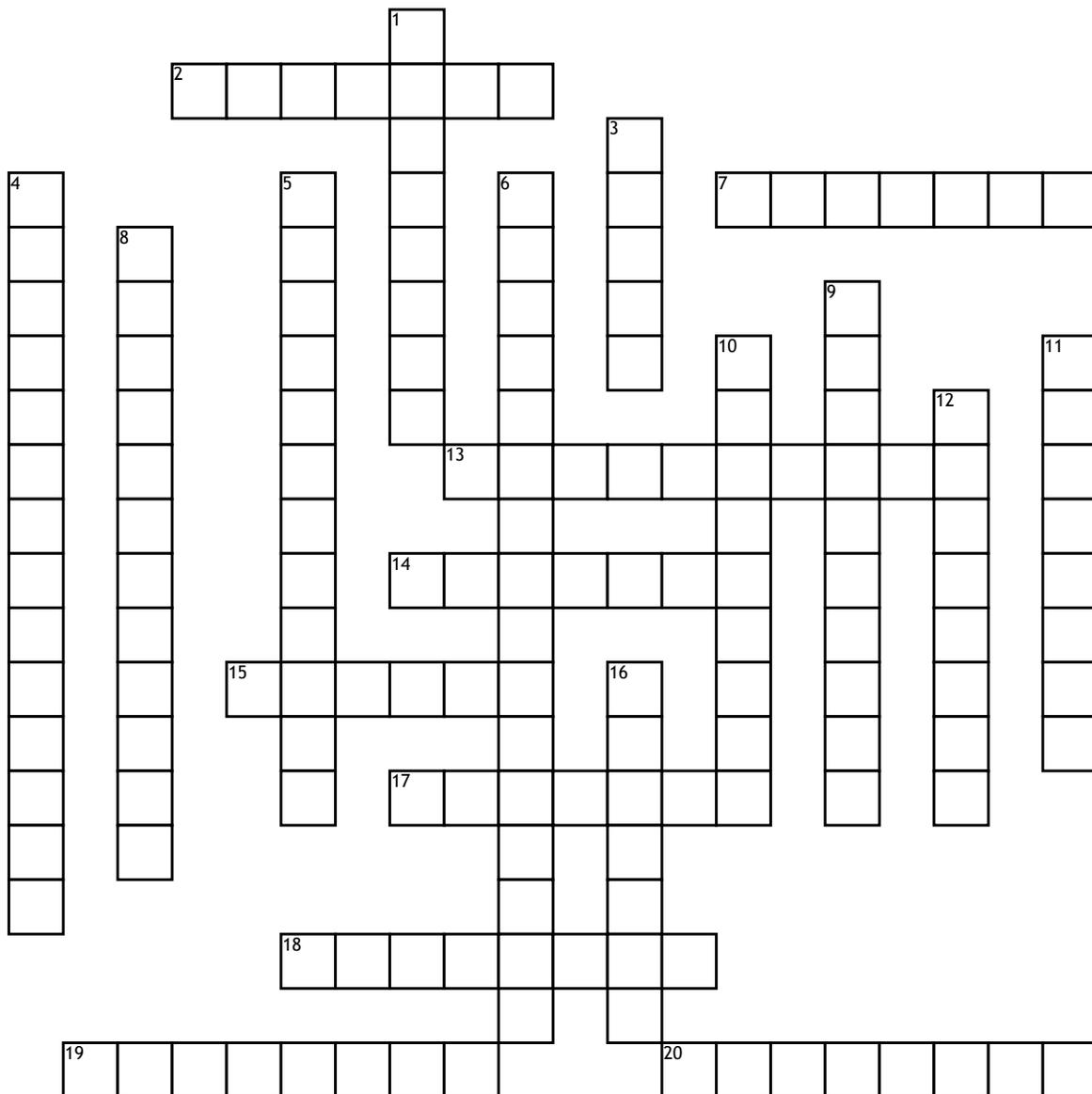


# Atoms, Elements, and Compounds



**Across**

- 2. Positively charged particles
- 7. biological catalyst that speed up the rate of chemical reactions in biological processes
- 13. specific location where a substrate binds on an enzyme
- 14. substance in which another substance is dissolved
- 15. the substance that is dissolved in the solvent
- 17. Neutrons and Protons are located here
- 18. A pure substance formed when two or more different elements combine

19. a compound in which the atoms are held together by covalent bonds

20. Atoms of the same element that have different numbers of neutrons

**Down**

- 1. another name for homogeneous mixture
- 3. are the building blocks of matter
- 4. molecules that have an unequal distribution of charges
- 5. chemical bond that forms when electrons are shared

6. process by which atoms or groups of atoms in substances are reorganized into different substances

8. the electrostatic attraction

9. an electrical attraction between two oppositely charged atoms or groups of atoms

10. Negatively charged particles

11. substance that lowers the activation energy needed to start a chemical reaction

12. Particles that have no charge

16. pure substances that cannot be broken down into other substances by physical or chemical means