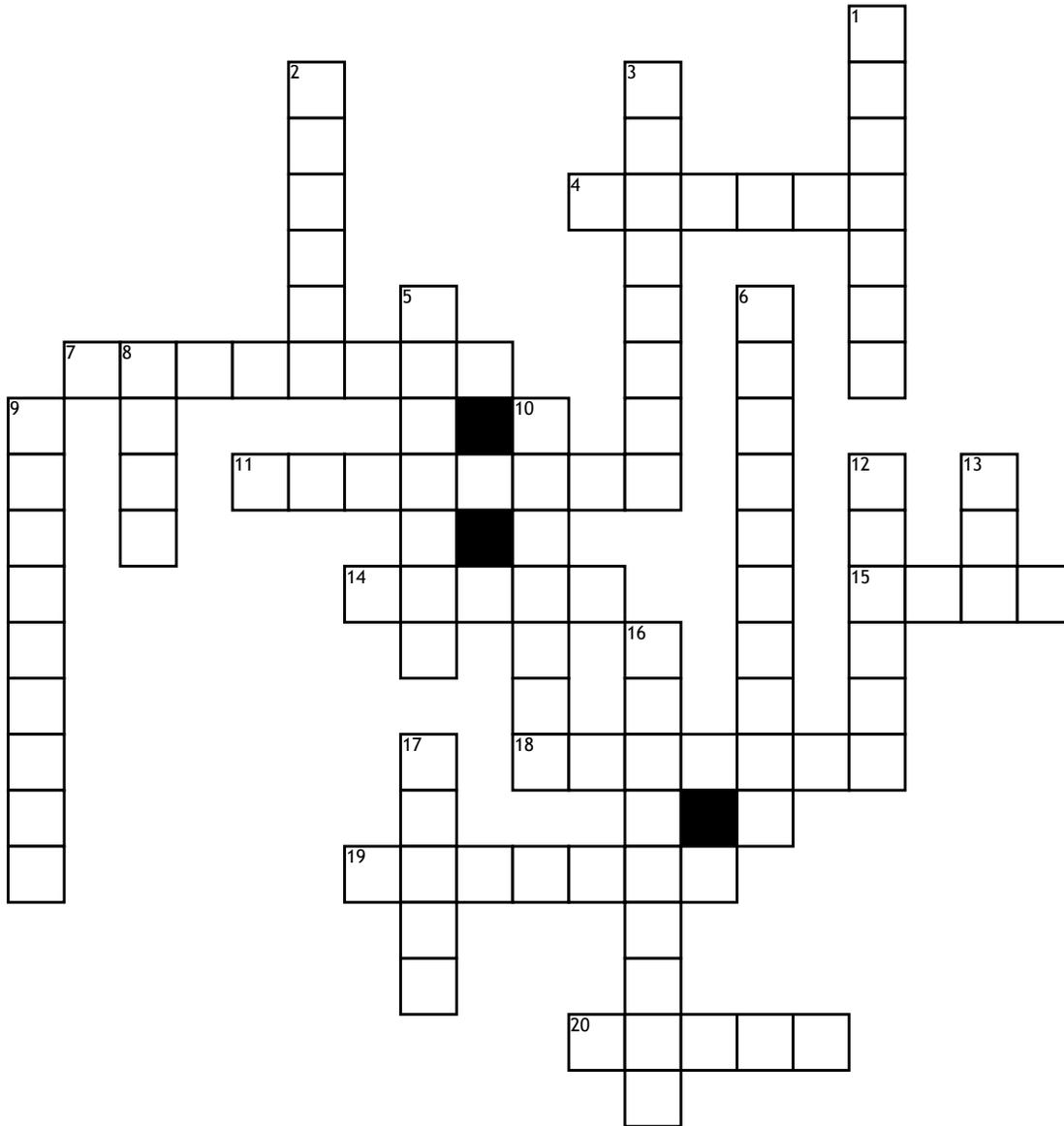


# chemistry



**Across**

- 4. A measure of the force of gravity on an object
- 7. the property of creating or responding to forces from magnets
- 11. a subatomic particle that has no charge and that is found in the nucleus of an atom
- 14. A diagram that shows how two variables are related.
- 15. the amount of matter in an object
- 18. the amount of matter in a given space □
- 19. the positively charged dense center of an atom

**Down**

- 1. a stable particle with positive charge equal to the negative charge of an electron
- 2. the amount of space an object takes up
- 3. cannot be separated into simpler substances
- 5. a substance consisting of two or more substances mixed together
- 6. a tentative theory about the natural world
- 8. the smallest component of an element having the chemical properties of the element
- 20. of definite shape and volume

- 9. negatively charged particle; located outside the atomic nucleus
- 10. a whole formed by a union of two or more elements or parts
- 12. Elements in the same vertical column of the periodic table; also called a group
- 13. having neither independent shape nor volume and being able to expand indefinitely
- 16. a device designed to transmit electricity, heat
- 17. A material that can easily flow