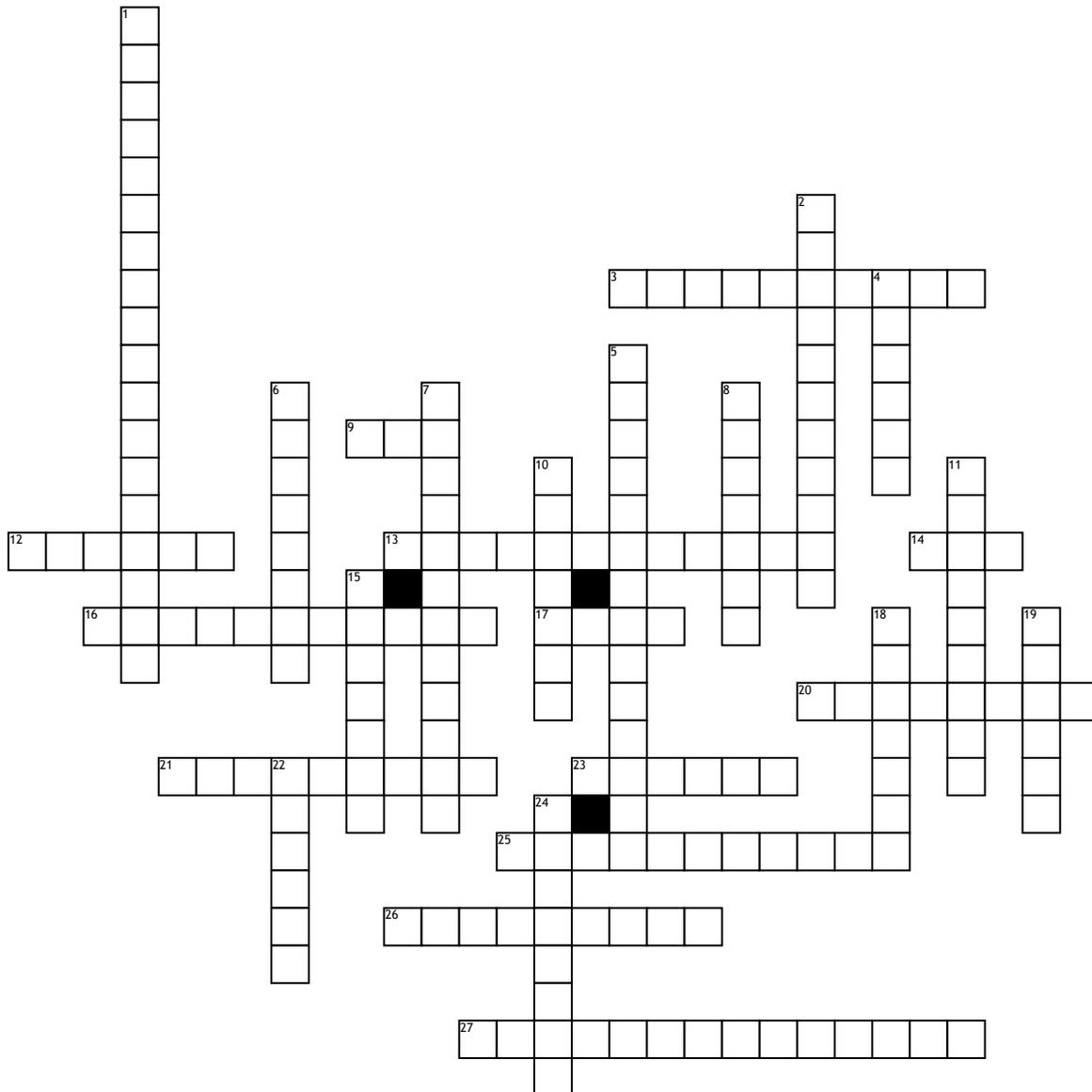


# Chemistry Terminology



## Across

3. chemical reaction in which a large organic molecule is broken down into smaller units with the addition of water  
 9. deoxyribonucleic acid  
 12. part of an atom found in the nucleus with a positive charge  
 13. a chemical bond in which electrons are shared by atoms (2 words)  
 14. ribonucleic acid  
 16. twisted ladder or spiral arrangement of DNA molecule (2 words)  
 17. Fe  
 20. N

21. a blood pH range of 7.45 to 8.0 (or above 7.45)

23. S

25. the tendency of an organism to maintain chemical equilibrium under fluctuating external conditions

26. Mg

27. carbohydrate molecule composed of more than two simple sugars

## Down

1. chemical reaction in which energy is released (2 words)

2. a few amino acids bonded together to form a small chain

4. Na

5. O<sub>2</sub> (2 words)

6. forms of an element that have the same number of protons and electrons, but a different number of neutrons

7. H<sub>2</sub>CO<sub>3</sub>

8. C<sub>6</sub>H<sub>12</sub>O<sub>6</sub>

10. Ca

11. When atoms combine chemically by donating or accepting electrons (2 words)

15. subatomic particle that carries no charge

18. positively charged ions

19. the ability to do work

22. negatively charged ions

24. the chemical combination of two or more atoms