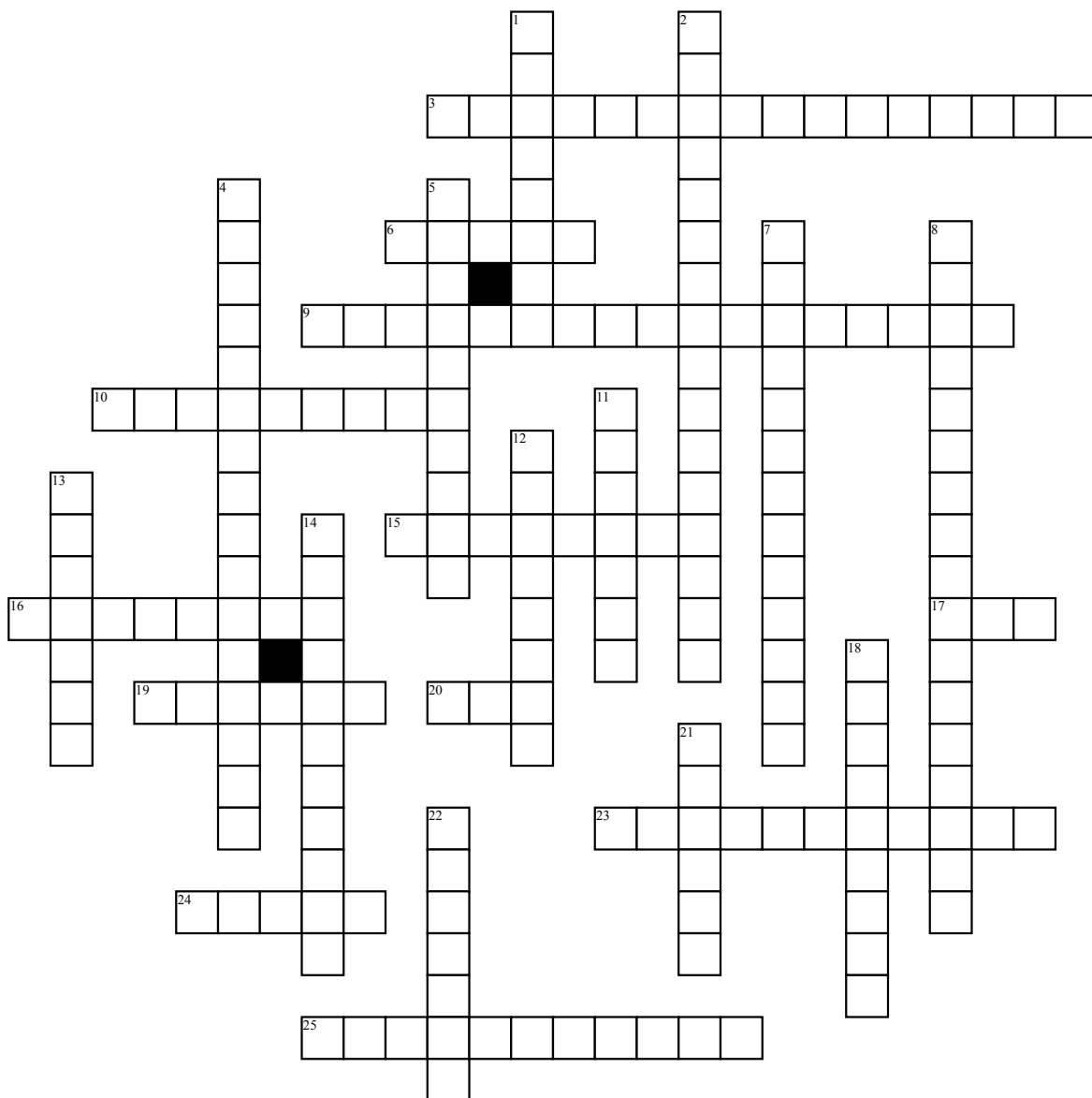


# Crossword: Chemistry H



## Across

3. having the same number and types of atoms on reactant and product sides of an equation  
 6. (of a chemical bond) formed by the electrostatic attraction of oppositely charged ions. Often contrasted with covalent.  
 9. 2 aqueous ionic compounds combine to form a new aqueous ionic compound and a new aqueous solution  
 10. 2 or more reactants combine to form one product  
 15. relating to or denoting chemical bonds formed by the sharing of electrons between atoms. Often contrasted with ionic.  
 16. is composed of two or more separate elements; a mixture.  
 17. matter cannot be created or destroyed (answer is abbreviated)

19. a positively charged ion  
 20. abbreviation for "reaction"  
 23. the only thing you can change in a chemical equation to balance  
 24. an ionic species having a negative charge  
 25. insoluble solid that emerges from a liquid solution  
**Down**  
 1. measured value that is "with respect for"  
 2. a process that involves rearrangement of the molecular or ionic structure of a substance  
 4. an unbalanced equation, whereby the chemical names in a word equation are substituted for chemical formulae  
 5. a reaction in which oxygen reacts with a hydrocarbon

7. one reactant breaks down into 2 or more products  
 8. a reaction where the single element replaces part of a compound  
 11. a compound is dissolved in water, a water solution  
 12. beginning substance in a chemical equation  
 13. any of the six nonmetallic elements that constitute Group 17 of the periodic table  
 14. a compound of both hydrogen and carbon  
 18. a distinguishing symbol (such as a letter or numeral) written immediately below or below and to the right or left of another character.  
 21. the way we read the arrow in a chemical equation  
 22. a substance produced in a chemical reaction