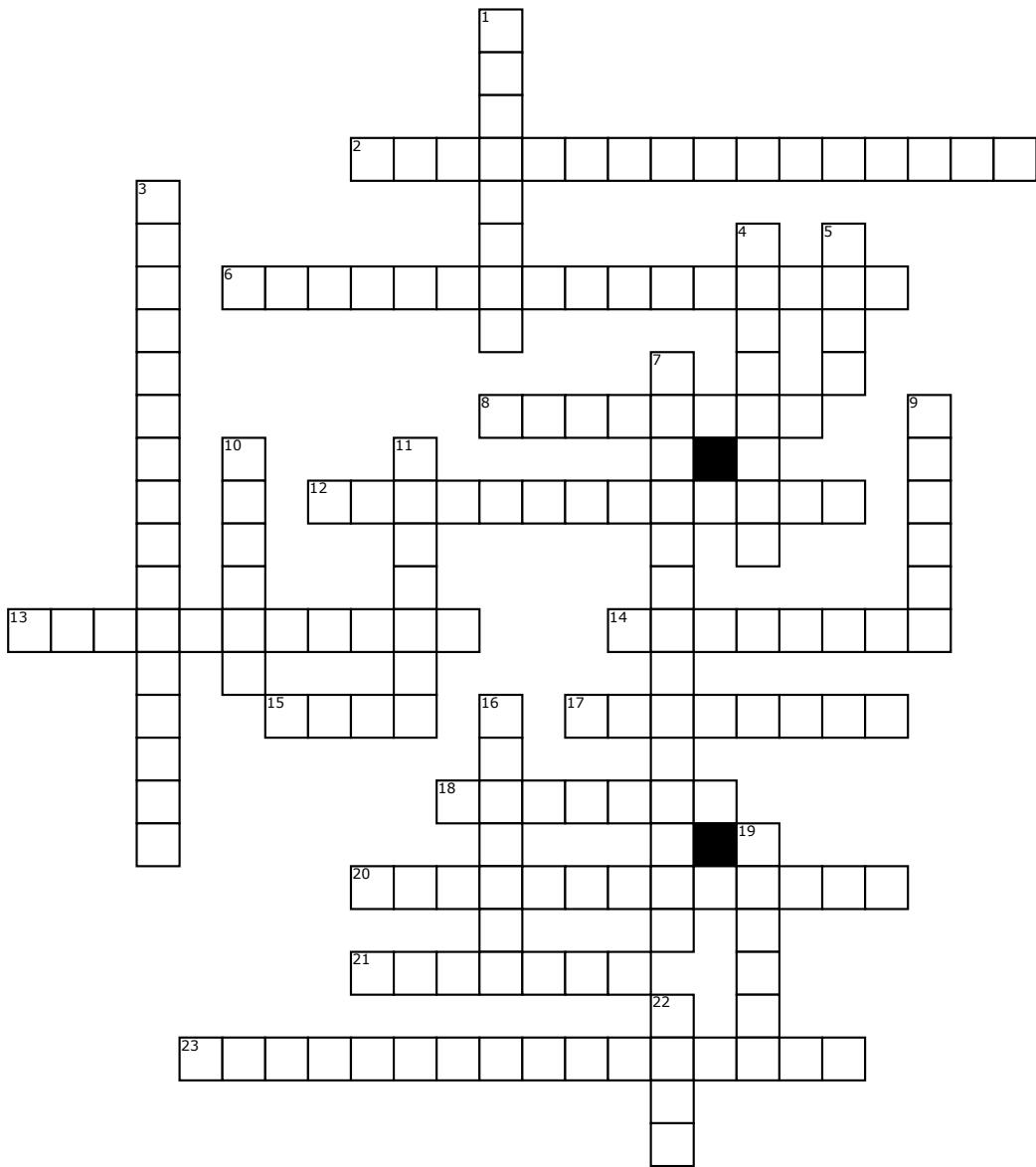


# Matter in Chemistry



## Across

2. the process by which one or more substances change to produce one or more different substances  
 6. a property of matter that describes a substance's ability to participate in chemical reactions  
 8. something that has magnitude or a size or an amount  
 12. a sample of matter that has definite chemical and physical properties  
 13. describes something that has a uniform structure or composition throughout  
 14. the smallest unit of a substance that keeps all of the physical and chemical properties of that substance  
 15. a quantity adopted as a standard of measurement

17. a substance made up of atoms of two or more different elements joined by chemical bonds  
 18. the ratio of the mass of a substance to the volume of a substance  
 20. composed of dissimilar components  
 21. a combination of two or more substances that are not chemically combined  
 23. a ratio that is derived from the equality of two different units and that can be used to convert from one unit to another

**Down**

1. any substance that has a defined composition  
 3. a characteristic of a substance that does not involve a chemical change  
 4. a substance or molecule that participates in a chemical reaction  
 5. the smallest unit of an element that maintains the properties of that element  
 7. the physical forms of matter  
 9. a measure of the size of a body or region in three dimensional space  
 10. anything that has mass and takes up space  
 11. a substance that forms in a chemical reaction  
 16. a substance that cannot be separated or broken down into simpler substances by chemical means  
 19. a measure of the gravitational force exerted on an object  
 22. a measure of the amount of matter in an object