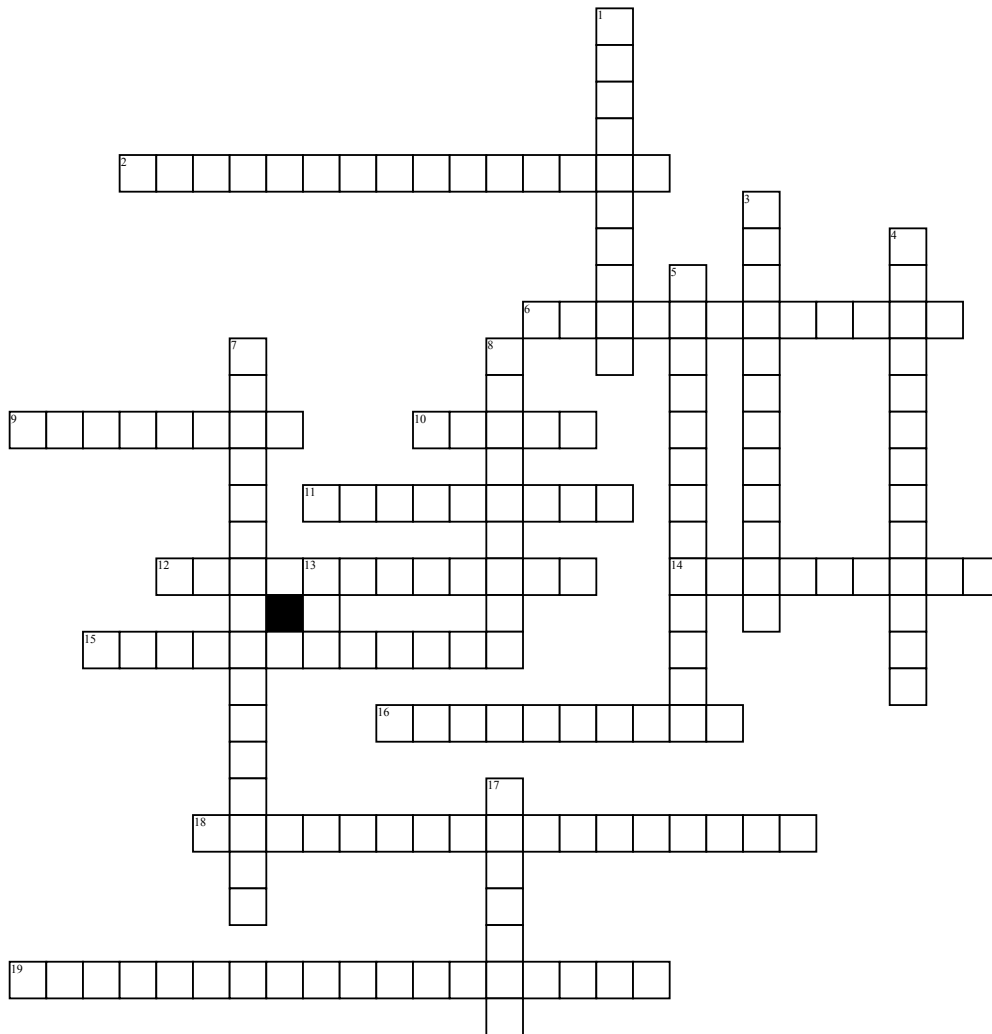


# Science is FUN!



## Across

2. a combination of symbols that represent the elements in a compound  
 6. a covalent bond where electrons are shared equally  
 9. the simplest structural unit of an element or compound  
 10. a mixture of two or more metals  
 11. a number that represents the ratio of elements in a compound  
 12. the force that glues atoms to one another  
 14. the attraction between oppositely charged ions

15. a bond formed when two atoms share electrons

16. a covalent bond in which two atoms share two pairs of electrons

18. a compound made of molecules

19. a picture of the Valence Electrons as dots

## Down

1. a covalent bond in which three atoms share two pairs of electrons

3. the attraction between a positive metal Ion and the electrons surrounding it

4. a compound that consists of positive and negative Ions

5. an Ion that is made up of more than one atom

7. High energy electrons that determine chemical reactions

8. a covalent bond where electrons are shared unequally

13. an atom or a group of atoms that has become electrically charged

17. a group of ions arranged in a rectangular pattern making up a solid

## Word Bank

Chemical formula	Double bond	Ionic compound	Crystal	Ionic Bond
Triple bond	Polar bond	Chemical Bond	Covalent bond	Polyatomic Ion
Ion	Molecular compound	Nonpolar bond	Electron Dot Diagram	Subscript
Alloy	Valence Electrons	Molecule	Metallic bond	