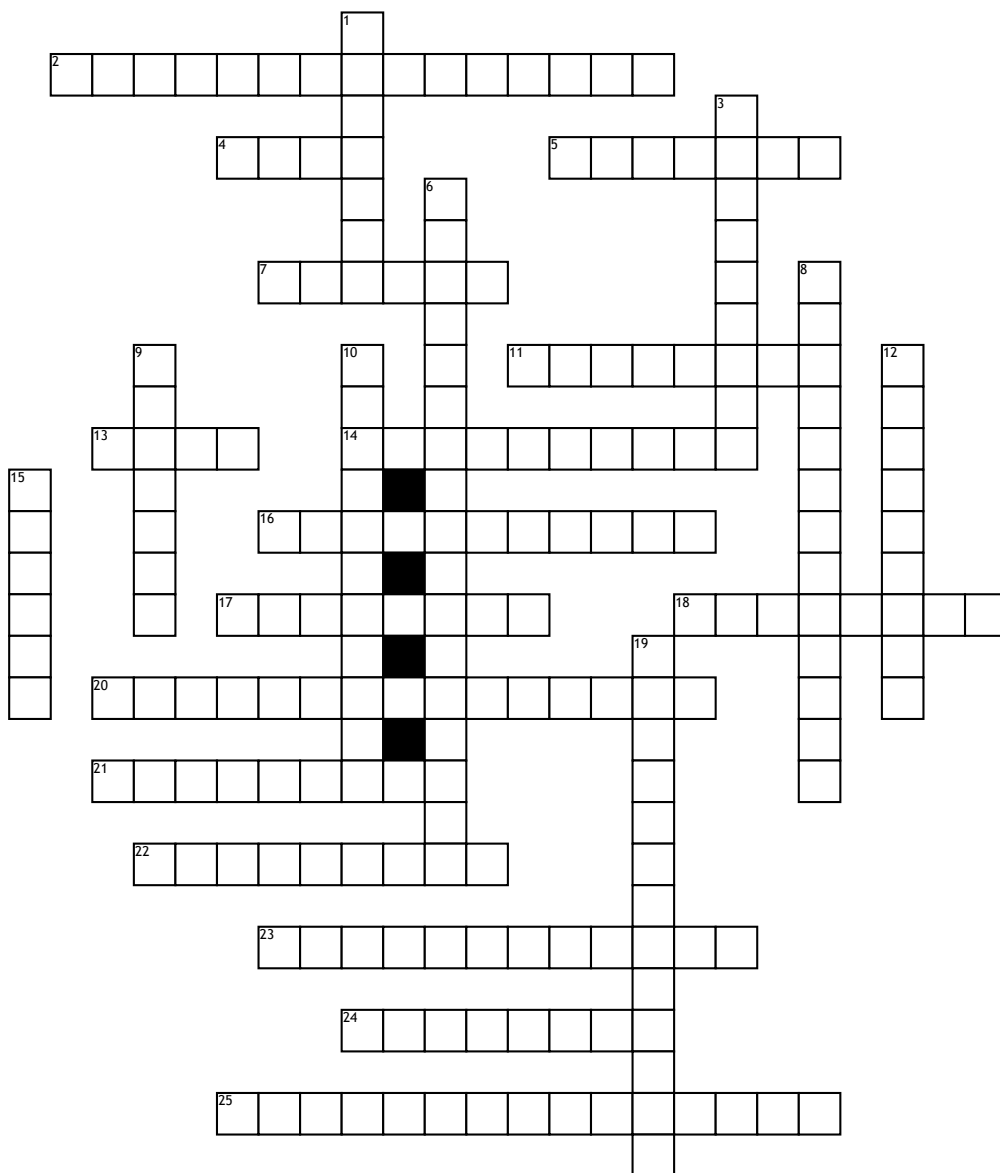


Name: \_\_\_\_\_

Date: \_\_\_\_\_

# Vocabulary Assignment - section 1.1



## Across

2. is a way of expressing information about the proportions of atoms that constitute a particular chemical compound  
 4. combination of subatomic particles : protons , neutrons , and electrons  
 5. formed when two or more different types of elements combine in a specific ratio  
 7. anything that takes up space and has mass  
 11. a homogeneous mixture that results from a solute dissolving in a solvent  
 13. a counting unit (mol) to quantify the numbers of atoms , particles , or molecules  
 14. the ability of a body to regain its original after deformation  
 16. changing the shape of an object  
 17. the substance that take part in a chemical reaction

18. number of moles of solute per liters of solvent

20. the amount of stress a material can withstand before undergoing  
 21. is ratio between the amounts in moles of any two compounds involved in a chemical reaction.  
 22. the weight of one mole of any chemical substance  
 23. bonds that occur through either sharing of electron or donation between atoms  
 24. form when two or more atoms of any type of element share a bond  
 25. a formula expressed by numeric subscripts

## Down

1. a substance composed of atoms all with the same atomic number

3. the ability of a MATERIAL TO UNDERGO PLASTIC DEFORMATION BEFORE FRACTURE

6. a process that involves rearrangement of the molecular or ionic structure of a substance, as opposed to a change in physical form or a nuclear reaction.  
 8. the action or power of focusing one's attention or mental effort:  
 9. a new substance formed when reactants are chemically changed  
 10. positively charged whole numbers that give information about how many moles of a substance are involved  
 12. a property of fluids that measures the resistance offered by the fluid to shear stress  
 15. a substance dissolved in liquid  
 19. the use of mathematics to quantify what occurs in a chemical reaction