1)	The most stable	The most stable elements are								
2)	Why do atoms l	Why do atoms become ions?								
3)	To form a cation, a metal must do what?									
4)	When two or more ions come together, what is this new substance known as?									
5)	Ionic bonds are very weak/strong and it would take a lot of/very little energy to break these bonds. (circle									
6)	Most ionic compounds (salts) are liquids at room temperature. True or False?									
7)	In metallic bonds, electrons are able to									
8)	A term we use to describe freely moving electrons is									
9)	Why are metals able to conduct electricity and heat so well?									
10)	10) What term describes the ability to stretch a metal into wires?									
11)	11) Which bond forms when nonmetals share electrons?									
12)	12) Why do nonmetals share electrons?									
13) What does a Lewis Structure help us to see?										
14) Write the Lewis Structures of the following compounds										
	O ₂	CH ₄	NF ₃	SO ₄ ²⁻						
15)	15) Why is carbon found in many organic molecules?									
16)	16) How many types of covalent bonds can carbon form?									
17)	17) A polymer is a large molecule made of many									
18)	Organic polyme salts	rs include which amino a		g: sugars proteins	starches carbohydrates	lipids				
19) Amino acids are the basic pieces of										
20) What do we call the forces holding molecules together?										
21) What do we call forces that keep separate molecules near each other?										
22)	22) Complete the table below:									

State	Density	Motion	Shape	IMF Strength
solid				
liquid				
gas				