6 Study Guide	Name:	N.B. p. =
gle/Science		
Compounds have	properties fro	om the elements that make them ι
2. Properties of a co	ompound are determined by the	
	erence in a molecule & a compound	d.
4. Describe the diffe	erence in a compound & a mixture.	
5. Name & define 3	types of chemical bonds.	
	electrons are inv f nitrogen to hydrogen in NH3 ?	volved in bonding.
8. Predict the bond	ng in each compound:	
NaCl	MgO	
CaS	HCI	
CH4	N <sub>2</sub>	
9. In a <u>polar</u> covaler	nt bond, 2 or more elements share	electrons
10. Predict whether	the bonding in each compound is p	polar covalent or not.
NH3	F2	
H20	NaCl	
11	represe	ent compounds by showing the
•	of each element.	
12. Compounds with	ionic bonds are arranged into	·
13. Compounds with	covalent bonding are arranged int	0

14. Two metals form	bonds. They share electrons
	with other metal atoms. Electrons between these
atoms also	
15. List & describe 5 properties of	
<del></del>	
16. Categorize each property as ic	onic or covalent:
Characteristic	Ionic Covalent
High melting point	
Hard & brittle	
Low melting point	
Low boiling point	
Not good conductors of	
electricity in the solid phase	
Breaks into ions when	
dissolved	
Stays intact when dissolved in	1
liquid  Good conductors of electricity	
In the liquid phase	y
iii tiie iiquiu piiase	
17	_ are different forms of the same element & result from
	are different forms of the same element & result from bonds.
	bonds.
18. List 3 allotropes of carbon.	
<del></del>	
<del></del>	
19. Draw a Bohr model for sulfur:	:
20. Write a chemical equation, ch	nemical formula, chemical name, & draw the dot diagram
for each:	
Sodium & Phosphorus	Calcium & Fluorine
Journal & Hospilolus	Calciant & Habilite