Chapter 13			10
Transparency Worksheet			17
	Na	ame	
Chemical Bonds	Cl	ass	Date
1. Define a <i>chemical bond</i> .			
2. A covalent bond is characterized by			
3. Describe the potential energy changes that take pl	ace as a covalent bor	nd forms betw	ween two hydrogen atoms.
4. Represent this covalent bonding between two hydro			
5. If a covalent bond forms between two unlike atom analogy from everyday life to describe the effects	of this unequal shari	ng in a bond	·
<ul> <li>6. Represent covalent bonding between a hydrogen a orbital diagrams.</li> </ul>	atom and a chlorine a	itom by both	electron dot symbols and
7. Distinguish between polar and nonpolar covalent			
8. What is meant by <i>electronegativity</i> ?			
9. Relate electronegativity to the arrangement of element			

## **Critical Thinking**

10. Classify the bonds in the following compounds as nonpolar covalent, polar covalent, or ionic: MgS,

Br<sub>2</sub>,CH<sub>4</sub>, Al<sub>2</sub>O<sub>3</sub>.