

Chemistry – 1st Semester Final - Study Outline

Chemical Bonds	
<i>Standard</i>	<i>Important Supporting Concepts</i>
2a. <i>Students know</i> atoms combine to form molecules by sharing electrons to form covalent or metallic bonds or by exchanging electrons to form ionic bonds.	
2b. <i>Students know</i> chemical bonds between atoms in molecules such as H ₂ , CH ₄ , NH ₃ , H ₂ CCH ₂ , N ₂ , Cl ₂ , and many large biological molecules are covalent.	
2c. <i>Students know</i> salt crystals, such as NaCl, are repeating patterns of positive and negative ions held together by electrostatic attraction.	
2e. <i>Students know</i> how to draw Lewis dot structures.	

