

Name: _____ Date: _____ Period: _____

Chemical Bonding

(Lewis Structures)

How does chemical bonding determine molecule geometry?

1. Using H_2 and F_2 ... which molecule uses the **duet rule** which molecule uses the **octet rule**, why?

2. List the steps for drawing Lewis Structures:

3. Complete the following chart:

<u>Molecule</u>	<u>Name of Compound</u>	<u># Valence electrons</u>	<u>Lewis Structure</u>
NH_3			
CH_4			
H_2			
O_2			

H_2O			
CO_2			
NH_4^+			
NO_3^-			
C_2H_6			
C_3H_8			
O_3			
CCl_4			