Making Molecular Models A formula tells us 2 things:					
But a formula doesn't tell us about 3-dimenstional molecular shape. We will build some molecules today to give us an idea of molecular shape.					
			r of chemical bond bonds they can fo		ss. Here is a chart of some
Element Sy		ymbol #	# of covalent bonds		To determine the # of covalent
Hydrogen					bonds, count how many combining
Chlorine					'holes' the atom has.
Oxygen					
Sulfur					*Note: the atoms are colour
Nitrogen					coordinated – check the key on the
Carbon					box lid!
 Use the atoms and the bonds (wooden sticks for single bonds, springs for double bonds) to build a model of each combination of elements listed in the table. You may need to use more than one atom of each type. Check to make sure you have used all the bonding sites! (ie: no open holes). Count the # of elements of each type and write the formula. Draw the structural model. 					
Element 1	Element 2	Element 3	Chemical formula	Did I build it? (common name)	Structural diagram
0	0	-			
Н	0	-			
N	Н	-			
Н	CI	-			
С	0	-			
С	CI	-			
С	Н	-			
Н	С	N			
			C ₂ H ₄ O ₂		