(Bonding, Chemical Formulas, and Lewis Dot Structures)

<u>Define</u> the following types of chemical bonding:

- 1. Ionic bond –
- 2. Covalent bond –
- 3. Metallic bond –
- 4. Hydrogen bond –

Chemical Symbol	Name & Number of each element present	State whether each atom is a metal or non- metal	Type of Bond	Gum Drop Model (use the candy colors)	Chemical Formula	Formula Mass
H ₂				00		
NaCl				0-0		
H₂O						
Fe ₃				00		
CaCl ₂				\sim		
CH₄				080		
CO2				0=0=0		
CHCl₃						

1. What type of bond occurs between a metal and a non-metal?

2. What type of bond occurs between two non-metals? _____

3. What type of bond occurs between two or more metals? _

lements	Individual Lewis Dot Structure	Individual Lewis Dot Structure	Combined Lewis Dot Structure	Chemical	Formula
<u> </u>	Dot Structure	Doi Structure		Formula	Mass
		5 g .		Ser a Marine	
Nation				a	
Na + I					
	2				1 11 11 11 11 11 11 11 11 11 11 11 11 1
		а. 	5		1. * P
- 2 - ⁴ 1		11. 11.	1		
и 11. д. 11. 11. 11. д. 11.	2			2	
	n			n na na Strandardardist	i an an Arr
Mg + Br					
					2 2
			The second se		
			an a suite anna an a		
					° 9 ₀ 8 .
N+F					
NTF					
				л. л	а Ф
				2 2	
10 ¹⁰ 10		2 A. 1			
	2				6 × 6
		d and the second se			. ⁵ 1. 6 1
K+C		a			a. 20
	8 ° ° Q				*
			· · · ·		
2 V					
2 No. 10	A C. R. B. N. S.				
			л 1		4
P+F					
					522 s
		ж н 1			
	, H = 4				i i i i i i i i i i i i i i i i i i i
				······································	
÷		- 20 - 8			्र स्री वह
C + Cl			4		
	41 - 11 - 11 - 11 - 11 - 11 - 11 - 11 -				
				ал 1	
	9 - 2			2	
			-		
N + Li			1 a 1		
	e			38 32	
	e a B a			98 	
	-	e " i = i = i			
12 - 10 - 12 - 12 - 12 - 12 - 12 - 12 -	gan a ke a r	n na har har	a state of the backwards		