

Unit 4B Chemical Bonds Practice Problems I Name:

Date:

Unit 4B Chemical Bonds Practice Problems 1

For each of the	e following statements,	write "I" for ionic, "C" for cova	lent and "M" for meta	llic.
	_ electrons are shared			
	 electrons delocalized electrons are transferred crystal lattice luster nonconductors in the solid, molten, and dissolved state malleable and ductile high melting and boiling points volatile liquids and gases weaker forces between atoms hard — difficult to crush 			
What is the dif	fference between a catio	on and an anion?		
cation:				-
anion:				
-	alent bond, the electrons 	are shared	In a nonpolar coval	ent bond, the electrons
What type of b	oond will form between t	he following pairs of atoms?		
	H and F	Na and O		CI and CI
What type of b	oond will form between t	he following pairs of atoms?		
	Fe and S	Si and O		Mg and O
			— —	

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