P	
	teg

Block _____

Types of Chemical Bonds

Classify the following as IONIC (metal + nonmetal), COVALENT (nonmetal + nonmetal), or BOTH (metal + polyatomic ion). Metals are located on the left side of the zigzag line on the periodic table. Nonmetals are located on the right side of the zigzag line. Hydrogen is a nonmetal, even though it is located on the left side of the periodic table. Polyatomic ions contain covalently bonded nonmetal atoms that possess an ionic charge.

contain covalently bonded nonmetal atoms	that possess an ionic charge.
* Polyation	ounds have 3 or
metal	sunas voce 5 c.
1 T	
1. CaCl2 Ionic	11. MgO Tonic
metal	a la V
2. CO2 Covalent	R L
	12. NH.CI) Both polyatonic Covalent
and tal	de domi c
3. H2O Covalent	13(HO) Covalent
3. H ₂ O	131 HCI
is soluatomic	nonmetal
4. (BaSO4) Both	
4. (BaSO4) Both	
	mital polyatomic
metal 5. (K20 Fonta	15 NaOH Both
5. K20	15 NaOH BOTh
metal	metal
6. Nat Ionic polyatomic	16. NO2 Covilent
o. Nar	10. 1302
metal polyatomic	nonmetal polyatoric
metal Na(O3) Both	17 APO4 Both
ma fat 1003	
me.	metre
8. CH4 Covalent	18. FeCla Tonic
8. CH4 Covalent	18. FeCl3 Tonic
Nonme	metal
9. SO3 Covalent	19 P205 Covalut
onweld	19. P205 Covalut
10 (IBr I SNIC	NOW.
10. LiBr	20. N2O3 Ovalut
7	7
netal	nonmetal
	No to trace