Name:	Da ⁻	te:	
Not	es: Naming Binary Cova	alent Compounds	
Why do atoms share ele	ectrons?		
When are atoms most s	table?		
Define <i>covalent bond</i> :			
What is the smallest pa	rticle of a covalent compound?		
Decide whether the fol	lowing compounds contain ion	ic or covalent bonds:	
CO ₂	N ₂ O	PtO	
HgCl ₂	SiO ₂	SrBr ₂	
Why is hydrogen unique	e among the elements?		
What are the 7 diatomic	c elements?		
Define <i>binary covalent</i>	compound:		
Why can we not use the		ic compounds?	
How do we deal with th	is problem?		
STEPS FOR NAMING A BI	NARY COVALENT COMPOUND:		
1			
2			
3			
Rules for using prefi	xes:		
Rule #1			
Rule #2			
Rule #3			

mono	di		tri		
tetra	penta-	hexa-	·		
nepta	octa-				
·		_			
Name of the following binary co	ovalent compounds.				
	•				
CO ₂ :			Prefix	Numbe	
CS ₂ :			mono	1	
PBr ₃ :			di 	2	
PBr ₅ :		L	tri tetra	3	
			penta	5	
P ₂ S ₅ :			hexa	6	
N ₂ S:			hepta	7	
SiS ₂ :			octa	8	
		Ļ	nona deca	10	
NBr ₃ :			ueca	10	
N ₂ Cl ₄ :					
What is the formula of each of t	the binary covalent com	pounds named	below.		
	•	pounds named ne heptafluoride			
carbon tetrachloride	iodir		·		
What is the formula of each of the carbon tetrachloride phosphorous pentachloride dinitrogen monoxide	iodir dinit	ne heptafluoride			
carbon tetrachloride phosphorous pentachloride	iodir dinit	ne heptafluoride rogen tetroxide	ride		
carbon tetrachloride phosphorous pentachloride dinitrogen monoxide	iodir dinit phos	ne heptafluoride rogen tetroxide sphorous trichlo	ride		
carbon tetrachloride phosphorous pentachloride dinitrogen monoxide carbon monosulfide boron trihydride	iodir dinit phos	ne heptafluoride rogen tetroxide sphorous trichlo on monoxide ne monochloride	ride		
carbon tetrachloride phosphorous pentachloride dinitrogen monoxide carbon monosulfide boron trihydride disulfur hexabromide	iodir dinit phos carb iodir tetra	ne heptafluoride rogen tetroxide sphorous trichlo on monoxidene monochloride asulfur tetranitri	ride		
carbon tetrachloride phosphorous pentachloride dinitrogen monoxide carbon monosulfide	iodir dinit carb iodir tetra	ne heptafluoride rogen tetroxide sphorous trichlo on monoxide ne monochloride	ride		