

Name _____ Period _____

College Prep Chemistry of the Earth

Assignment 5E – Binary Covalent Molecule Naming

20 Points

Name the following binary covalent molecules based on the chart below

Number	1	2	3	4	5	6	7	8	9	10
Prefix	mono	di	tri	tetra	penta	hexa	hepta	octa	nona	deca

Naming Format	A_xB_y	Prefix X Element A Prefix Y Element B -ide (<i>ion chart</i>)
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Molecule Formula to Name

Formula	Name	Formula	Name
CH ₄		OCl ₂	
CO ₂		CF ₄	
NH ₃		PBr ₃	
H ₂ S		CS ₂	

Molecule Name to Formula

Name	Formula	Name	Formula
Nitrogen Trichloride		Carbon Tetrafluoride	
Oxygen Dibromide		Sulfur Dioxide	
Diphosphorous Pentaoxide		Dicarbon Hexahydride	
Nitrogen Trioxide		Sulfur Hexachloride	