

Naming Molecular Compounds

(Honors Chemistry)

* Write the name of the molecule using the proper prefixes.			
C_4O_{10}	Tetracarbon decaoxide	SF_6	Sulfur hexafluoride
BrO_3	Bromine trioxide	OF_2	Oxygen difluoride
BN	Boron mononitride	ClO_2	Chlorine dioxide
N_2O_3	Dinitrogen trioxide	SiO_2	Silicon dioxide
NI_3	Nitrogen triiodide	BF_3	Boron trifluoride
$SeBr_2$	Selenium dibromide	N_2S_5	Dinitrogen pentasulfide
CF_4	Carbon tetrafluoride	CO_2	Carbon dioxide
PCl_3	Phosphorus trichloride	H_2O_2	Dihydrogen dioxide
CO	Carbon monoxide	SO_3	Sulfur trioxide
PCl_5	Phosphorus pentachloride	C_2H_2	Dicarbon dihydride
P_2O_5	Diphosphorus pentaoxide	NH_3	Nitrogen trihydride
S_2I_2	Disulfur diiodide	B_2H_5	Diboron pentahydride
$SeCl_2$	Selenium dichloride	SO_2	Sulfur dioxide
S_2F	Disulfur monofluoride	PF_3	Phosphorus trifluoride
C_4O_{10}	Tetracarbon decaoxide	H_2O	Dihydrogen monoxide
C_3H_8	Tricarbon octahydride	N_2O_4	Dinitrogen tetraoxide

Chemical Formulas for Molecular Compounds

Write the correct formula in the space below.

ClO	Chlorine monoxide	SiCl₄	Silicon tetrachloride
OF₂	Oxygen difluoride	OCl₂	Oxygen dichloride
BP	Boron monophosphide	ClO	Chlorine monoxide
N₂O	Dinitrogen monoxide	SiO₂	Silicon dioxide
NF₃	Nitrogen trifluoride	P₄O₁₀	Tetraphosphorus decaoxide
SCl₄	Sulfur tetrachloride	PBr₅	Phosphorus pentabromide
P₄S₉	Tetraphosphorus nonasulfide	CO	Carbon monoxide
CO₂	Carbon dioxide	SO₃	Sulfur trioxide
P₂O₅	Diphosphorus pentoxide	N₂O₃	Dinitrogen trioxide
PCl₃	Phosphorus trichloride	N₂O	Dinitrogen monoxide
SO₂	Sulfur dioxide	C₃H₈	Tricarbon octahydride
BrF₅	Bromine pentafluoride	SF₆	Sulfur hexafluoride
S₂Cl₂	Disulfur dichloride	PCl₅	Phosphorus pentachloride
BF₃	Boron trifluoride	NO	Nitrogen monoxide
PBr₃	Phosphorus tribromide	N₂O₄	Dinitrogen tetraoxide
BCl₃	Boron trichloride	C₄H₁₀	Tetracarbon decahydride
N₂S₅	Dinitrogen pentasulfide	SF₄	Sulfur tetrafluoride