

SNC 2DI
Nomenclature: Binary Molecular (Covalent) Compounds

Name: ANSWERS

Fill in the missing formula or name.

Formula	Name
SiBr ₂	silicon dibromide
P ₄ O ₆	tetraphosphorus hexoxide
SeS ₂	selenium disulphide
BrCl	bromine monochloride
As ₂ Se ₂	diarsenic diselenide
N ₂ H ₅	dinitrogen pentahydride
IF ₇	iodine heptafluoride
N ₂ O ₄	dintrogen tetroxide
P ₄ S ₁₀	tetraphosphorus decasulfide
S ₂ O ₇	disulphur heptoxide
B ₂ O ₉	diboron nonoxide
SeC ₂	selenium dicarbide
PF ₃	phosphorus trifluoride
Br ₃ O ₈	tribromine octoxide
As ₃ P ₆	triarsenic hexaphosphide
B ₂ S ₅	diboron pentasulphide
CS ₂	carbon disulphide
PF ₅	phosphorus pentafluoride
SeF ₄	selenium tetrafluoride
B ₄ H ₉	tetraboron nonahydride
P ₂ I ₂	diphosphorus diiodide
Cl ₂ O ₈	dichlorine octoxide

Molecular Compounds: Names and Formulas Worksheet

1. Write the formulas for the following compounds.

carbon dioxide	<u>CO₂</u>	diphosphorus trioxide	<u>P₂O₃</u>
silicon dioxide	<u>SiO₂</u>	nitrogen monoxide	<u>NO</u>
dihydrogen monoxide	<u>H₂O</u>	chlorine dioxide	<u>ClO₂</u>
carbon disulphide	<u>CS₂</u>	dinitrogen monoxide	<u>N₂O</u>
sulphur trioxide	<u>SO₃</u>	carbon monoxide	<u>CO</u>
nitrogen trihydride	<u>NH₃</u>	arsenic tribromide	<u>AsBr₃</u>
carbon tetrachloride	<u>CCl₄</u>	phosphorus pentabromide	<u>PBr₅</u>
dihydrogen dioxide	<u>H₂O₂</u>	dinitrogen tetroxide	<u>N₂O₄</u>
carbon tetrahydride	<u>CH₄</u>	silicon monocarbide	<u>SiC</u>
trioxygen (ozone)	<u>O₃</u>	sulphur dioxide	<u>SO₂</u>

2. Write the names for the following compounds.

CF ₄	<u>carbon tetrafluoride</u>	P ₂ O ₅	<u>diphosphous pentoxide</u>
NH ₃	<u>nitrogen trihydride</u>	CH ₄	<u>carbon tetrahydride</u>
PBr ₃	<u>phosphorus tribromide</u>	SO ₃	<u>sulphur trioxide</u>
O ₃	<u>trioxygen</u>	H ₂ O	<u>dihydrogen monoxide</u>
F ₂	<u>fluorine</u>	SiO ₂	<u>silicon dioxide</u>
CS ₂	<u>carbon disulphide</u>	PCl ₅	<u>phosphorus pentachloride</u>
N ₂ O ₄	<u>dinitrogen tetroxide</u>	I ₂	<u>iodine</u>
H ₂ O ₂	<u>dihydrogen dioxide</u>	NO ₂	<u>nitrogen dioxide</u>
CO	<u>carbon monoxide</u>	SF ₄	<u>sulphur tetrafluoride</u>
SiC	<u>silicon monocarbide</u>	H ₂	<u>hydrogen</u>