

Name:

Block:

Date:

Covalent and Ionic Compounds - Mixed

Complete the table by writing the formulas:

Names	Covalent or Ionic?	Multivalent? Polyatomic? Neither? Both?	Formula
Dihydrogen Monoxide			
Manganese (IV) Iodide			
Sodium Acetate			
Silicon Tetrachloride			
Yttrium Phosphate			
Chromium (III) Phosphide			
Magnesium Cyanide			
Tetranitrogen Decoxide			
Palladium (II) Permanganate			
Dinitrogen Trioxide			
Cobalt (II) Fluoride			
Ammonium Oxide			
Lead (IV) Hypochlorite			
Phosphorus pentafluoride			
Ruthenium (III) Carbonate			
Ytterbium (II) Phosphate			
Barium Oxide			
Rhenium (VII) Sulphide			
Mercury (II) Arsenide			
Tetraphosphorus Hexoxide			

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Complete the table by writing the names of the compounds:

Formulas	Covalent or Ionic	Multivalent? Polyatomic? Neither? Both?	Compound Name
NI_3			
OsN			
SO_2			
$\text{Ca}_3(\text{PO}_3)_2$			
TiS_2			
MgSO_3			
H_2O_2			
$\text{Mn}(\text{NO}_3)_7$			
C_3N_4			
$\text{In}_2(\text{CrO}_4)_3$			
C_4H_{10}			
S_2O_7			
Pa_2S_5			
Wl_6			
NO			
$\text{NH}_4\text{C}_2\text{H}_3\text{O}_2$			
CoO			
Extend a bit: These questions use polyatomic ions that are <u>not</u> on your periodic table. Look them up!			
$\text{Nd}_2(\text{S}_2\text{O}_3)_3$			
CuIO_3			
BeO_2			