

Name _____ Period _____
Chemistry

Nomenclatures Rally Coach

Determine the name of the ionic compound:

NaBr	sodium bromide
Na ₃ P	sodium phosphide
FeCl ₃	iron (III) chloride
SnF ₂	tin (IV) fluoride

Name the ionic formula:

Magnesium chloride	MgCl ₂
Sodium phosphide	Na ₃ P
Copper (I) oxide	Cu ₂ O
Cesium oxide	Cs ₂ O
Iron (III) chloride	FeCl ₃

Determine the name of the polyatomic ionic formula:

FePO ₄	iron (III) phosphate
Na ₂ CO ₃	sodium carbonate
KOH	potassium hydroxide

Name the polyatomic ionic formula:

Aluminum nitrate	Al(NO ₃) ₃
Calcium phosphate	Ca ₃ (PO ₄) ₂
Aluminum sulfate	Al ₂ (SO ₄) ₃
Tin (II) hydroxide	Sn(OH) ₂
Ammonium sulfate	(NH ₄) ₂ SO ₄

Name the molecular formula:

CO	carbon monoxide
SO ₂	sulfur dioxide
PCl ₅	phosphorus pentachloride
P ₂ O ₅	diphosphorus pentoxide
OF ₂	oxygen difluoride

Write the formula of the molecular formula:

Sulfur trioxide	SO ₃
Nitrogen trihydride	NH ₃
Carbon disulfide	CS ₂
Carbon dioxide	CO ₂
Sulfur hexafluoride	SF ₆

Name _____ Period _____
Chemistry

Nomenclature Rally Coach

Determine the name of the ionic compound:

K ₃ N	potassium nitride
NaCl	sodium chloride
FeI ₃	iron (III) iodide
SnF ₄	tin (IV) fluoride

Name the ionic formula:

Iron (III) iodide	FeI ₃
Aluminum oxide	Al ₂ O ₃
Lead (II) oxide	PbO
Cesium sulfide	Cs ₂ S
Aluminum chloride	AlCl ₃

Determine the name of the polyatomic ionic formula:

Sn ₃ (PO ₄) ₄	tin (IV) phosphate
Ca(OH) ₂	calcium hydroxide
Ca(NO ₃) ₂	calcium nitrate

Name the polyatomic ionic formula:

Calcium sulfate	CaSO ₄
Magnesium phosphate	Mg ₃ (PO ₄) ₂
Ammonium sulfide	(NH ₄) ₂ S
Potassium carbonate	K ₂ CO ₃
Magnesium hydroxide	Mg(OH) ₂

Name the molecular formula:

NH ₃	nitrogen trihydride
CO ₂	carbon dioxide
SO ₃	sulfur trioxide
N ₂ O	dinitrogen monoxide
N ₂ O ₄	dinitrogen tetroxide

Write the formula of the molecular formula:

Carbon monoxide	CO
Carbon tetrafluoride	CF ₄
Diiodine septoxide	I ₂ O ₇
Phosphorous pentachloride	PCl ₅
Nitrogen dioxide	NO ₂