Names to Formulas 1

Apprentice Difficulty Level Question Group 1 Question 1

In Chemistry, there are specific rules for writing the formulas of ionic compounds having a given name. One or more of these formulas are *breaking the rules*. Select all the *rule breakers*.

CaCl	NaCl	CaO
chloride	chloride	oxide
calcium	sodium	calcium

Question 2

In Chemistry, there are specific rules for writing the formulas of ionic compounds having a given name. One or more of these formulas are *breaking the rules*. Select all the *rule breakers*.

BaO	CaCl	NaF
oxide	chloride	fluoride
barium	calcium	sodium

Question 3

Nal	MgO	CaCl
iodide	oxide	chloride
sodium	magnesium	calcium

Question Group 2

Question 4

In Chemistry, there are specific rules for writing the formulas of ionic compounds having a given name. One or more of these formulas are *breaking the rules*. Select all the *rule breakers*.

BaCl ₂	Ca ₂ O ₂	Na₂S
chloride	oxide	sulfide
barium	calcium	sodium

Question 5

In Chemistry, there are specific rules for writing the formulas of ionic compounds having a given name. One or more of these formulas are *breaking the rules*. Select all the *rule breakers*.

NaO ₂	BaCl ₂	Ca ₂ O ₂
oxide	chloride	oxide
sodium	barium	calcium

Question 6

barium	potassium	magnesium
oxide	oxide	chloride
Ba ₂ O ₂	K₂O	MgCl ₂

Question Group 3

Question 7

In Chemistry, there are specific rules for writing the formulas of ionic compounds having a given name. One or more of these formulas are *breaking the rules*. Select all the *rule breakers*.

NaP ₃	Al_2O_3	Ca ₂ CI
phosphide	oxide	chloride
sodium	aluminum	calcium

Question 8

In Chemistry, there are specific rules for writing the formulas of ionic compounds having a given name. One or more of these formulas are *breaking the rules*. Select all the *rule breakers*.

sodium	potassium	aluminum
chloride	phosphide	oxide
CINa	K₃P	Al_3O_2

Question 9

sulfide	oxide	nitride
AIS ₃	KO ₂	Na ₃ N

Question Group 4

Question 10

In Chemistry, there are specific rules for writing the formulas of ionic compounds having a given name. One or more of these formulas are *breaking the rules*. Select all the *rule breakers*.

aluminum	barium	calcium
sulfide	oxide	phosphide
Al ₂ S ₃	ВаО	CaP

Question 11

In Chemistry, there are specific rules for writing the formulas of ionic compounds having a given name. One or more of these formulas are *breaking the rules*. Select all the *rule breakers*.

barium	aluminum	calcium
nitride	oxide	sulfide
Ba ₃ N ₂	Al_3O_2	CaS ₂

Question 12

Mg_2N_3	CaCl ₂	Al_2O_3
nitride	chloride	oxide
magnesium	calcium	aluminum

Master Difficulty Level Question Group 5 Question 13

In Chemistry, there are specific rules for writing the formulas of ionic compounds having a given name. One or more of these formulas are *breaking the rules*. Select all the *rule breakers*.

iron(II)	cobalt(II)	titanium(IV)
oxide	chloride	chloride
FeO ₂	CoCl ₂	TiCl ₄

Question 14

In Chemistry, there are specific rules for writing the formulas of ionic compounds having a given name. One or more of these formulas are *breaking the rules*. Select all the *rule breakers*.

TiCl ₅	Fe ₂ O	CoCl ₂
chloride	oxide	chloride
titanium(IV)	iron(II)	cobalt(II)

Question 15

CoCl ₂	Ti ₄ Cl	Fe ₃ O ₂
chloride	chloride	oxide
cobalt(II)	titanium(IV)	iron(III)

Question Group 6

Question 16

In Chemistry, there are specific rules for writing the formulas of ionic compounds having a given name. One or more of these formulas are *breaking the rules*. Select all the *rule breakers*.

Cr ₂ S ₄	NiCl ₂	PbBr ₂
sulfide	chloride	bromide
chromium(IV)	nickel(II)	lead(II)

Question 17

In Chemistry, there are specific rules for writing the formulas of ionic compounds having a given name. One or more of these formulas are *breaking the rules*. Select all the *rule breakers*.

bromide	sulfide	chloride
PbBr ₂	CrS ₂	Ni ₂ CI

Question 18

NiCl ₂	Pb ₂ I	CrS ₄
chloride	iodide	sulfide
nickel(II)	lead(II)	chromium(IV)

Question Group 7

Question 19

In Chemistry, there are specific rules for writing the formulas of ionic compounds having a given name. One or more of these formulas are *breaking the rules*. Select all the *rule breakers*.

oxide	sulfide	chloride
ScO₃	SnS	NiCl ₂

Question 20

In Chemistry, there are specific rules for writing the formulas of ionic compounds having a given name. One or more of these formulas are *breaking the rules*. Select all the *rule breakers*.

nickel(II)	scandium(III)	tin(II)
chloride	oxide	sulfide
NiCl ₂	Sc ₃ O	Sn ₂ S ₂

Question 21

Sn ₂ S	Ni ₂ CI	Sc ₂ O ₃
sulfide	chloride	oxide
tin(II)	nickel(II)	scandium(III)

Question Group 8

Question 22

In Chemistry, there are specific rules for writing the formulas of ionic compounds having a given name. One or more of these formulas are *breaking the rules*. Select all the *rule breakers*.

iron(III)	copper(I)	vanadium(III)
sulfide	oxide	iodide
Fe ₂ S ₃	CuO	VI_3

Question 23

In Chemistry, there are specific rules for writing the formulas of ionic compounds having a given name. One or more of these formulas are *breaking the rules*. Select all the *rule breakers*.

vanadium(III)	iron(III)	copper(I)
iodide	sulfide	oxide
VI ₃	FeS₃	Cu ₂ O

Question 24

copper(I)	vanadium(III)	iron(III)
oxide	iodide	sulfide
Cu ₂ O	V ₃ I	Fe ₃ S ₂

Wizard Difficulty Level Question Group 9 Question 25

In Chemistry, there are specific rules for writing the formulas of ionic compounds having a given name. One or more of these formulas are *breaking the rules*. Select all the *rule breakers*.

calcium	copper(I)	barium
nitride	oxide	oxide
CaN	CuO	BaO

Question 26

In Chemistry, there are specific rules for writing the formulas of ionic compounds having a given name. One or more of these formulas are *breaking the rules*. Select all the *rule breakers*.

oxide	nitride	sulfide
BaO ₂	Mg_3N_2	CuS

Question 27

Cu ₂ O	MgO	Ca ₂ N ₃
oxide	oxide	nitride
copper(I)	magnesium	calcium

Question Group 10

Question 28

In Chemistry, there are specific rules for writing the formulas of ionic compounds having a given name. One or more of these formulas are *breaking the rules*. Select all the *rule breakers*.

aluminum	cobalt(II)	strontium
oxide	sulfide	chloride
Al ₃ O ₂	CoS ₂	SrCl ₂

Question 29

In Chemistry, there are specific rules for writing the formulas of ionic compounds having a given name. One or more of these formulas are *breaking the rules*. Select all the *rule breakers*.

strontium	aluminum	cobalt(II)
chloride	sulfide	oxide
SrCI	Al ₃ S ₂	CoO

Question 30

cobalt(II)	strontium	aluminum
sulfide	chloride	oxide
CoS	SrCI	Al ₂ O ₃

Question Group 11

Question 31

In Chemistry, there are specific rules for writing the formulas of ionic compounds having a given name. One or more of these formulas are *breaking the rules*. Select all the *rule breakers*.

Na ₃ P	Fe ₂ O ₃	CaN
phosphide	oxide	nitride
sodium	iron(III)	calcium

Question 32

In Chemistry, there are specific rules for writing the formulas of ionic compounds having a given name. One or more of these formulas are *breaking the rules*. Select all the *rule breakers*.

riitride p	nospriide	UXIUE
nitride p	hosphide	oxide

Question 33

Fe ₂ O ₃	Mg_3N_2	KP
oxide	nitride	phosphide
iron(III)	magnesium	potassium

Question Group 12

Question 34

In Chemistry, there are specific rules for writing the formulas of ionic compounds having a given name. One or more of these formulas are *breaking the rules*. Select all the *rule breakers*.

Cu ₂ Cl	TiS ₄	AICI ₃
chloride	sulfide	chloride
copper(II)	titanium(IV)	aluminum

Question 35

In Chemistry, there are specific rules for writing the formulas of ionic compounds having a given name. One or more of these formulas are *breaking the rules*. Select all the *rule breakers*.

AICI ₃	CuCl ₂	Ti ₂ S ₄
chloride	chloride	sulfide
aluminum	copper(II)	titanium(IV)

Question 36

TiS ₂	AICI	CuBr ₂
sulfide	chloride	bromide
titanium(IV)	aluminum	copper(II)

Question Group 13

Question 37

In Chemistry, there are specific rules for writing the formulas of ionic compounds having a given name. One or more of these formulas are *breaking the rules*. Select all the *rule breakers*.

CrN₄	NaO	PbBr ₂
nitride	oxide	bromide
chromium(IV)	sodium	lead(II)

Question 38

In Chemistry, there are specific rules for writing the formulas of ionic compounds having a given name. One or more of these formulas are *breaking the rules*. Select all the *rule breakers*.

lead(II)	chromium(IV)	sodium
iodide	nitride	oxide
Pb ₂ I	Cr ₄ N ₃	Na ₂ O

Question 39

Question Group 14

Question 40

In Chemistry, there are specific rules for writing the formulas of ionic compounds having a given name. One or more of these formulas are *breaking the rules*. Select all the *rule breakers*.

iron(III)	calcium	vanadium(III)
phosphide	oxide	oxide
FeP	CaO	VO ₃

Question 41

In Chemistry, there are specific rules for writing the formulas of ionic compounds having a given name. One or more of these formulas are *breaking the rules*. Select all the *rule breakers*.

vanadium(III)	iron(III)	calcium
oxide	phosphide	oxide
V_2O_3	Fe ₃ P ₃	CaO

Question 42

calcium	vanadium(III)	iron(III)
oxide	oxide	phosphide
CaO	V_3O_2	FeP ₃