

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*.

calcium
chloride

CaCl

sodium
chloride

NaCl

calcium
oxide

CaO

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*.

barium
oxide

BaO

calcium
chloride

CaCl

sodium
fluoride

NaF

Question 3

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
iodide

NaI

magnesium
oxide

MgO

calcium
chloride

CaCl

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*.

barium
chloride



calcium
oxide



sodium
sulfide



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*.

sodium
oxide



barium
chloride



calcium
oxide



Question 6

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
oxide



potassium
oxide



magnesium
chloride



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*.

sodium
phosphide



aluminum
oxide



calcium
chloride



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
chloride



potassium
phosphide



aluminum
oxide



Question 9

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
sulfide



potassium
oxide



sodium
nitride



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
sulfide



barium
oxide



calcium
phosphide



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
nitride



aluminum
oxide



calcium
sulfide



Question 12

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*.

magnesium
nitride



calcium
chloride



aluminum
oxide



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)
oxide



cobalt(II)
chloride



titanium(IV)
chloride



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*.

titanium(IV)
chloride



iron(II)
oxide



cobalt(II)
chloride



Question 15

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*.

cobalt(II)
chloride



titanium(IV)
chloride



iron(III)
oxide



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*.

chromium(IV)
sulfide



nickel(II)
chloride



lead(II)
bromide



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*.

lead(II)
bromide



chromium(IV)
sulfide



nickel(II)
chloride



Question 18

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)
chloride



lead(II)
iodide



chromium(IV)
sulfide



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*.

scandium(III)
oxide



tin(II)
sulfide



nickel(II)
chloride



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)
chloride



scandium(III)
oxide



tin(II)
sulfide



Question 21

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*.

tin(II)
sulfide



nickel(II)
chloride



scandium(III)
oxide



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)
sulfide



copper(I)
oxide



vanadium(III)
iodide



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)
iodide



iron(III)
sulfide



copper(I)
oxide



Question 24

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*.

copper(I)
oxide



vanadium(III)
iodide



iron(III)
sulfide



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
nitride

CaN

copper(I)
oxide

CuO

barium
oxide

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*.

barium
oxide

BaO₂

magnesium
nitride

Mg₃N₂

copper(I)
sulfide

CuS

Question 27

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*.

copper(I)
oxide

Cu₂O

magnesium
oxide

MgO

calcium
nitride

Ca₂N₃

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
oxide



cobalt(II)
sulfide



strontium
chloride



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
chloride



aluminum
sulfide



cobalt(II)
oxide



Question 30

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*.

cobalt(II)
sulfide



strontium
chloride



aluminum
oxide



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*.

sodium
phosphide



iron(III)
oxide



calcium
nitride



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*.

calcium
nitride



sodium
phosphide



iron(III)
oxide



Question 33

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)
oxide



magnesium
nitride



potassium
phosphide



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*.

copper(II)
chloride



titanium(IV)
sulfide



aluminum
chloride



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*.

aluminum
chloride



copper(II)
chloride



titanium(IV)
sulfide



Question 36

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*.

titanium(IV)
sulfide



aluminum
chloride



copper(II)
bromide



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*.

chromium(IV)
nitride



sodium
oxide



lead(II)
bromide



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)
iodide



chromium(IV)
nitride



sodium
oxide



Question 39

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
oxide



lead(II)
iodide



chromium(IV)
nitride



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)
phosphide



calcium
oxide



vanadium(III)
oxide



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)
oxide



iron(III)
phosphide



calcium
oxide



Question 42

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
oxide



vanadium(III)
oxide



iron(III)
phosphide

