

Ionic and Covalent Compounds

W1

Compound Name to Formula

is the compound: **IONIC** or **COVALENT**?

COVALENT: non-metal + non-metal

has a prefix in at least 1 element name

formula →

prefixes

1	mono
2	di
3	tri
4	tetra
5	penta
6	hexa
7	hepta
8	octa
9	nona
10	deca

IONIC: metal + non-metal

metal	non-metal
_____	_____
_____	_____

← element symbol

← charge(s)

← do they balance?

formula →

Ionic and Covalent Compounds

E1

Compound Name to Formula

calcium chloride

ionic example

diphosphorous tetrachloride

covalent example

is the compound: **IONIC** or **COVALENT**?

COVALENT: non-metal + non-metal

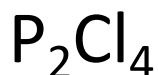
has a prefix in at least 1 element name
prefix is how many of that element you have

di phosphorous tetra chloride
prefix element prefix element

prefixes

1	mono
2	di
3	tri
4	tetra
5	penta
6	hexa
7	hepta
8	octa
9	nona
10	deca

formula →



IONIC: metal + non-metal

calcium

chloride

metal	non-metal	
Ca	Cl	← element symbol
2+	1-	
	1-	← charge(s)
		← added 1
2+	2-	← do they balance?

formula →

