

Ionic and Covalent Compounds

W2

Formula to Compound Name

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

COVALENT: non-metal + non-metal

has a prefix in at least 1 element name
do not need to balance charges

prefixes

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

name →

IONIC: metal + non-metal

only need 2nd t-chart when element has more than 1 charge

	metal	non-metal
element symbol →		
charge(s) →		
do they balance? →		

name →

Ionic and Covalent Compounds

E2

Formula to Compound Name



covalent example

ionic example

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

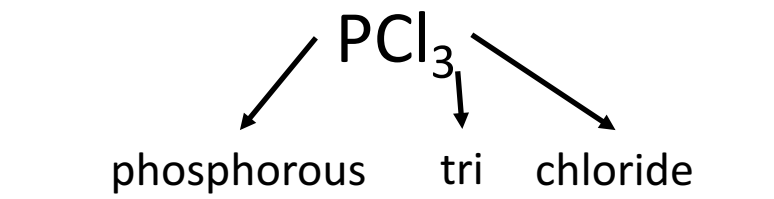
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prefixes

1	mono
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name → phosphorous trichloride

IONIC: metal + non-metal

only need 2nd t-chart when element has more than 1 charge

	metal	non-metal	
element symbol →	Fe	Cl	FeCl_2
charge(s) →	3+ or 2+	1-	1- x2
do they balance? →	2+	2-	2-

name → iron (II) chloride