

JUMPSTART #17

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1. Are the following compounds ionic or covalent?

Potassium Sulfate

PH_3

2. What is the compound name of the following:

$(\text{NH}_4)\text{Br}$

NAMING COVALENT MOLECULES



JUST like ionic, but use prefixes

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

Put a prefix in front of the ion name (except if it is mono- for the first element, then just leave it off)

SF_6 Sulfur hexafluoride

CO_2 Carbon dioxide

PCl_3 Phosphorous trichloride

N_2O_3 dinitrogen trioxide

Weird naming with double vowels

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- When (ao) or (oo) bump up against each other drop the first one

$Mg_{10}O_{10}$ NOT decAOxide ---- decoxide

CO NOT monOOxide ---- monoxide

Mg_5O_5 NOT pentAOxide ---- pentoxide

CrI_6 Hexaiodide is correct!!!

MgI_2 Diiodide is correct!!!

CO_2 Dioxide is correct!!!

Ca_3O_3 Trioxide is correct!!!

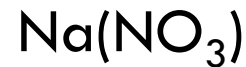
Mixed ionic and covalent

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carbon tetrafluoride

Sodium Nitrate =



diphosphorous pentoxide

notebook set up for pg 92

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1. -----	5. -----
2. -----	6. -----
3. -----	7. -----
4. -----	8. -----

Naming activity

1. Each partner picks 1 paper from 2 cups
2. Combine both papers to form a compound
3. You and your partner have 3 minutes to write down your compound's info:

TYPE OF COMPOUND

NAME

FORMULA

For example: I pick C my partner picks O

type = covalent Formula = CO Name = Carbon monoxide

I pick "magnesium" my partner picks "sulfate"

Type = ionic Name = Magnesium sulfate Formula = $\text{Mg}(\text{SO}_4)$

Extra problems

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$\text{FeCl}_3 =$ Iron (III) chloride

$\text{N}_2\text{H}_4 =$ dnitrogen tetrahydride

$\text{Sn}(\text{OH})_4 =$ Tin (IV) tetroxide

Partner 1	Partner 2	Location 1 st Period
Skyler G.	Sankalp P.	1A
Colin H.	Abigalyle B.	1B
Roberto L.	Tiffany D.	2A
Sarah A.	Meelad R.	2B
Sarah S.	Michelle L.	3A
Rebecca O.	Sierra G.	3B
Bradford L.	Chenelle G	4A Noah B.
Nathan G.	Ashleen G.	4B
Daniela P.	Jeremiah P.	5A
Matthew N.	Georgiy K.	5B
Simran P.	Mustafa T.	6A
Jessica A.	Kira M.	6B
Shanel K.	Edrees Q.	7A
Mythri C.	Joo A.	7B
Kobe R.	Gerel B.	8A
Bijan H.	James B.	8B

Partner 1	Partner 2	Location	2 nd Period
Kaleb M.	Sane J.	1A	Hayley J.
Caitlyn M.	Shawn J.	1B	
Collin V.	Alexander W.	2A	
Lucy H.	Jayson S.	2B	
Vares S.	Stephanie S.	3A	
Ryan A.	Olivia S.	3B	
Hamza K.	Michelle M.	4A	
Sameera R.	Craig G.	4B	
Danielle B.	Nickolas N.	5A	Rahul A.
Jules H.	Alyssa C.	5B	
Cole R.	Marina A.	6A	
Mirabelle T.	Kyle P.	6B	
Sahar R.	Radley R.	7A	
Arssani E.	Abishek N.	7B	
Ankit K.	Cassidy P.	8A	
Shesha S.	Jason Y.	8B	

Partner 1	Partner 2	Location 3 rd Period
Neil B.	Brianna T.	1A
Sabrina C.	Elyas O.	1B
Jesse D.	Isabelle J.	2A
Collin D.	Dilveen K.	2B
Stephanie L.	Jonathan B.	3A
Yonatan M.	Brandon C.	3B
Ankita N.	Andrew K.	4A
SaRoya J.	Amanda L.	4B Austin B.
Jingbo H.	Sangmin J.	5A
Sohan B.	Joshua N.	5B
Hannah P.	Liana I.	6A
Brandon K.	Minglu Z.	6B
Dain Y.	Christian C.	7A Loren G.
Alexandra C.	Dylan A.	7B
Valerie H.	Jason N.	8A
Nadia R.	Duncan N.	8B Rachel

Partner 1	Partner 2	Location 4 th Period
Luvana H.	Andrew W.	1A
Basha W.	Samantha L.	1B
Bernard D.	Brittany T.	2A
Raymond S.	Tae J.	2B
Gauri P.	Eronmosele F.	3A
David N.	Karina Z.	3B
Katelynn B.	Fan H.	4A
Joshua K.	Ashley I.	4B
Seohyun J.	Andrew C.	5A
Marina Y.	Emma K.	5B
Randy C.	Moses L.	6A
Francisco C.	Autumn H.	6B
Ibukun S.	Alyssa S.	7A
Julia J.	Ethan S.	7B
Ethan N.	Valerie L.	8A
Riley W.	Samuel L.	8B

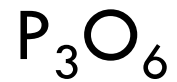
Partner 1	Partner 2	Location (5 th period)
Eric T.	Analiese I.	1A
Reza P.	Julia G.	1B
Joseph R.	Melina J.	2A
Francis A.	Kelsey K.	2B
Luke Y.	Caitlyn Y.	3A
Arizo A.	Neeraj S.	3B
Juliette P.	Basil R.	4A
Anthony H.	Roberto D.	4B
Yuvika G.	Hannah L.	5A
Nygia W.	Megan B.	5B
Mark M.	Melieka F.	6A
Aileen T.	Abel T.	6B
Omer S.	Selena H.	7A
Conner C.	Robert R.	7B
Ashley N.	Jake E.	8A
Franz Z.	Sadaf W.	8B

Partner 1	Partner 2	Lab Bench 6 th period
Jaiden M.	Ryan Z	1A
Veronica V.	Michael E.	1B
Nicole F.	Chris C.	2A
Kartik B.	Almira S.	2B
Nadine K.	Simon H.	3A
Aishwarya M.	Ram J.	3B
Arya G.	Juan L.	4A
Sharon S.	Mariella M.	4B
Chinmay M.	Asmaa M.	5A
Brennan B.	Sam D.	5B
Alyssa A.	Riza A.	6A
Kristina M.	Amanda O.	6B
Bianca J.	Ayonabh R.	7A
Hollyann G.	Vivek J.	7B
Bernard N.	Jonathan B.	8A
Jocelyn B.	Joelle H.	8B

Exit Ticket

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Name the following:



What is the chemical formula for:

Sulfur dichloride

Partner 1	Partner 2	location
		1A
		1B
		2A
		2B
		3A
		3B
		4A
		4B
		5A
		5B
		6A
		6B
		7A
		7B
		8A
		8B