Th 2025-03-06 X&Y

TRY THESE

Tu 2024-03-12
CHEM-3
Y 3/12

NAMES → FORMULAS

CALCIUM PHOSPHIDE Ca_3P_2 (Ca^{2+} P^{3-})

ALUMINUM SULFIDE

BARIUM CHLORIDE

4 POTASSIUM NITRIDE

IRON (II) IODIDE
IRON (III) CHLORIDE

TIN (II) OXIDE
TIN (IV) OXIDE

COBALT (II) NITRIDE

10 COBALT (III) SULFIDE

POTASSIUM CHLORATE

MAGNESIUM CHLORITE $Mg(ClO_2)_2$

ALUMINUM PHOSPHATE $AlPO_4$

CALCIUM PHOSPHATE

SODIUM PHOSPHATE

16 IRON (III) CARBONATE

FORMULAS → NAMES

CaS CALCIUM SULFIDE

B_2O_3

$SrBr_2$

20 Li_2Se

Cu_2S

$CuCl_2$

NiO

Ni_2O_3

$CrCl_3$

26 CrO

$NaC_2H_3O_2$

$K_2C_2O_4$

$CaSO_4$

$Mg(HCO_3)_2$

$Al_2(CO_3)_3$

32 $(NH_4)_3PO_4$

ANSWERS

Ca_3P_2	CALCIUM SULFIDE
Al_2S_3	BORON OXIDE
$BaCl_2$	STRONTIUM BROMIDE
K_3N	LITHIUM SELENIDE
FeI_2	COPPER(I) SULFIDE
$FeCl_3$	COPPER(II) CHLORIDE
SnO	NICKEL(II) OXIDE
SnO_2	NICKEL(III) OXIDE
Co_3N_2	CHROMIUM(III) CHLORIDE
Co_2S_3	CHROMIUM(II) OXIDE
$KClO_3$	SODIUM ACETATE
$Mg(ClO_2)_2$	POTASSIUM OXALATE
$AlPO_4$	CALCIUM SULFATE
$Ca_3(PO_4)_2$	MAGNESIUM HYDROGEN CARBONATE
Na_3PO_4	ALUMINUM CARBONATE
$Fe_2(CO_3)_3$	AMMONIUM PHOSPHATE

TU 2025-03-04 CHEM-3

PRACTICE

FORMULAS

Na_3PO_4

$Ca_3(PO_3)_2$

Ba_3P_2

$Cu(NO_2)_2$

$Al(ClO)_3$

NAMES

COPPER (I) CARBONATE

IRON (II) CHROMATE

IRON (III) OXALATE

POTASSIUM CHLORITE

MAGNESIUM CHLORATE

Na_3PO_4 SODIUM PHOSPHATE

$Ca_3(PO_3)_2$ CALCIUM PHOSPHITE

Ba_3P_2 BARIUM PHOSPHIDE

$Cu(NO_2)_2$ COPPER (II) NITRITE

$Al(ClO)_3$ ALUMINUM HYPOCHLORITE

Cu_2CO_3 COPPER (I) CARBONATE

$FeCrO_4$ IRON (II) CHROMATE

$Fe_2(C_2O_4)_3$ IRON (III) OXALATE

$KClO_2$ POTASSIUM CHLORITE

$Mg(ClO_3)_2$ MAGNESIUM CHLORATE

M2025-03-10 CHEM-3
X & Y

PRACTICE WRITING NAMES & FORMULAS

MOLECULAR COMPOUNDS

	NAME	FORMULA
1	SELENIUM TETRAFLUORIDE →	
2		← XeO_4
3	ARSENIC TRIBROMIDE →	
4		← ClF_5
5	DICHLORINE MONOXIDE →	
6		← N_2O_5
7	SULFUR HEXAFLUORIDE →	
8		← P_4O_{10}

DIDN'T FINISH IN GROUP X M2025-03-10

MIX AND MATCH: IONIC AND MOLECULAR COMPOUNDS

	NAME	FORMULA
1	ZINC CHLORIDE →	
2		← $Sn(CO_3)_2$
3	MAGNESIUM NITRIDE →	
4		← SF_4
5	KRYPTON DIFLUORIDE →	
6		← KNO_3
7	IRON(III) NITRITE →	
8		← $CuSO_4$

ANSWERS

1 SeF_4

2 XENON TETROXIDE

3 $AsBr_3$

4 CHLORINE PENTAFLUORIDE

5 Cl_2O

6 DINITROGEN PEXTOXIDE

7 SF_6

8 TETRAPHOSPHORUS DECOXIDE

1 $ZnCl_2$

2 TIN (IV) CARBONATE

3 Mg_3N_2

4 SULFUR TETRAFLUORIDE

5 KrF_2

6 POTASSIUM NITRATE

7 $Fe(NO_2)_3$

8 COPPER (II) SULFATE

W 2025-03-12 CHEM-3
X & Y

PRACTICE: NAMING MOLECULAR & IONIC COMPOUNDS

	NAME	FORMULA
1	CALCIUM BROMIDE →	
2		← $Fe_3(PO_4)_2$
3	POTASSIUM OXIDE →	
4		← N_2O_4
5	DIPHOSPHORUS PENTOXIDE →	
6		← $Mg(NO_2)_2$
7	LEAD(IV) NITRATE →	
8		← $Co_2(SO_3)_3$
9	CBr_4 ←	→ CBr_4

ANSWERS:

1 $CaBr_2$
2 IRON(II) PHOSPHATE
3 K_2O
4 DINITROGEN TETROXIDE
5 P_2O_5
6 MAGNESIUM NITRITE
7 $Pb(NO_3)_4$
8 COBALT(III) SULFITE
9 CARBON TETRABROMIDE

Write formulas for the following ionic compounds AND ACIDS

1. cobalt(II) chloride
2. cobalt(III) cyanide
3. copper(I) carbonate
4. copper(II) carbonate
5. silver phosphate
6. lead(II) hypochlorite
7. lead(IV) chlorite
8. iron(II) chlorate
9. iron(III) perchlorate
10. tin(II) chromate
11. tin(IV) dichromate
12. sodium sulfate
13. ammonium chloride
14. potassium nitrate
15. aluminum nitrate
16. barium hydrogen carbonate
17. barium carbonate
18. cobalt(III) sulfite
19. titanium(IV) sulfate
20. bismuth(III) acetate
21. NITRIC ACID
22. HYDROFLUORIC ACID

FOR EX.:

1. COBALT (II) CHLORIDE Co^{2+} Cl^{-1} $CoCl_2$

Answers

Write formulas for the following ionic compounds.

1. cobalt(II) chloride $CoCl_2$
2. cobalt(III) cyanide $Co(CN)_3$
3. copper(I) carbonate Cu_2CO_3
4. copper(II) carbonate $CuCO_3$
5. silver phosphate Ag_3PO_4
6. lead(II) hypochlorite $Pb(ClO)_2$
7. lead(IV) chlorite $Pb(ClO_2)_4$
8. iron(II) chlorate $Fe(ClO_3)_2$
9. iron(III) perchlorate $Fe(ClO_4)_3$
10. tin(II) chromate $SnCrO_4$
11. tin(IV) dichromate $Sn(Cr_2O_7)_2$
12. sodium sulfate Na_2SO_4
13. ammonium chloride NH_4Cl
14. potassium nitrate KNO_3
15. aluminum nitrate $Al(NO_3)_3$
16. barium hydrogen carbonate $Ba(HCO_3)_2$
17. barium carbonate $BaCO_3$
18. cobalt(III) sulfite $Co_2(SO_3)_3$
19. titanium(IV) sulfate $Ti(SO_4)_2$
20. bismuth(III) acetate $Bi(C_2H_3O_2)_3$

Acetate $C_2H_3O_2^{-1}$ or CH_3COO^-