

Give the chemical formulas for each of the substances listed below.

1. $\text{Ca(OH)}_2(s)$ calcium hydroxide
2. $\text{MgSiO}_3(s)$ magnesium silicate
3. $\text{Fe(ClO}_2)_2(s)$ iron(II) chlorite
4. $\text{K}_2\text{Cr}_2\text{O}_7(s)$ potassium dichromate
5. $(\text{NH}_4)_2\text{SO}_4(s)$ ammonium sulfate
6. $\text{NaHCO}_3(s)$ sodium hydrogen carbonate
7. $\text{KCN}(s)$ potassium cyanide
8. $\text{NaNO}_3(s)$ sodium nitrate
9. $\text{Na}_2\text{S}_2\text{O}_3(s)$ sodium thiosulfate
10. $\text{Ba(ClO}_4)_2(s)$ barium perchlorate

Chemical formula	Ionic or molecular?	Name of compound
$\text{NH}_4\text{Cl}(s)$	I	ammonium chloride
$\text{K}_2\text{S}(s)$	I	potassium sulfide
Cl_4	M	carbon tetraiodide
$\text{CaO}(s)$	I	calcium oxide
$\text{NH}_4\text{Cl}(s)$	I	ammonium chloride
$\text{Li}_3\text{N}(s)$	I	lithium nitride
$\text{Mg(OH)}_2(s)$	I	magnesium hydroxide
$\text{ZnO}(s)$	I	zinc oxide
$\text{CuNO}_3(s)$	I	copper (I)nitrate
$\text{SiO}_2(s)$	M	silicon dioxide
$\text{OCl}_2(g)$	M	oxygen dichloride
$\text{CuCl}(s)$	I	copper (I) chloride
$\text{FeCl}_2(s)$	I	iron (II) chloride
$\text{CaS}(s)$	I	calcium sulfide
$\text{Ca(HCO}_3)_2(s)$	I	calcium hydrogen carbonate

P_2O_5	M	diphosphorus pentaoxide
$SiBr_4$	M	silicon tetrabromide
$Ca(HS)_2(s)$	I	calcium hydrogen sulfide
$NH_4NO_2(s)$	I	ammonium nitrite
$AgCH_3COO(s)$	I	silver acetate
$CaCrO_4(s)$	I	calcium chromate
N_2O_5	M	dinitrogen pentaoxide
$Fe_2(CO_3)_3(s)$	I	iron(III) carbonate
$HgS(s)$	I	mercury (II) sulfide
$AgHSO_4(s)$	I	silver hydrogensulfate

$KMnO_4(s)$	I	potassium permanganate
$Mg(OH)_2(s)$	I	magnesium hydroxide
$AlPO_4(s)$	I	aluminum phosphate
$CS_2(l)$	M	carbon disulfide
$K_2SO_4(s)$	I	potassium sulfate
$SnF_2(s)$	I	tin(II) fluoride
$K_2Cr_2O_7(s)$	I	potassium dichromate
$HgS(s)$	I	mercury (II) sulfide
$V_2O_5(s)$	I	vanadium(V) oxide
$(NH_4)_2Cr_2O_7(s)$	I	ammonium dichromate
$Bi_3(PO_4)_5(s)$	I	bismuth(V) phosphate
$Na_2SiO_3(s)$	I	sodium silicate
$Co_3(PO_4)_2(s)$	I	cobalt(II) phosphate