

AP CHEMISTRY



TOPIC 1: CHEMICAL FOUNDATIONS, PART C, EXAMPLES

Day 4:

- Molecules and Ions
 - Periodic Table
 - Naming “simple” compounds
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1) Name or write the formula for the following compounds

- CCl_4
- N_3Cl_8
- CO_2
- dinitrogen heptabromide
- sulfur trioxide

2) Name or write the formula for the following compounds

- magnesium oxide
- sodium nitride
- Al_2S_3
- K_2O

3) Name or write the formula for the following compounds

- Li_3PO_4
- $\text{NH}_4\text{C}_2\text{H}_3\text{O}_2$
- Na_2CO_3

d) silver iodate

e) ammonium phosphate

4) Name or write the formula for the following compounds

a) TiO_2

b) $\text{Ni}_2(\text{CO}_3)_3$

c) FeSO_2

d) AuBr_3

e) manganese(IV) nitride

f) iron(III) sulfite

5) Name or write the formula for the following compounds: acids

a) nitric acid

b) hypochlorous acid

c) acetic acid

d) carbonous acid

e) hydrofluoric acid

f) H_2SO_4

g) H_2S

h) H_2SO_2

i) HBr