

Nomenclature – Find the Mistake!

Directions: Look at the formula/name pairs below and decide if there is a mistake or not. If there is not a mistake, write “correct”. If there is a mistake, fix it. Mistakes could be in either the name or the formula.

a) $\text{Au}(\text{Br})_2$ – gold (II) bromide

b) CdCl_2 – cadmium (II) chloride

c) Na_2O_2 – sodium peroxide

d) SO_4 – sulfate

e) Zn_3P_2 – trizinc diphosphide

f) BeHPO_4 – beryllium hydrogen phosphate

g) HCl – hydrochloric acid

h) HgNO_3 – mercury (I) nitrate

i) Ni_2SO_3 – nickel sulfite

j) TiOH_3 – titanium (III) hydroxide

k) sulfuric acid – $\text{H}_2\text{SO}_{3(\text{aq})}$

l) CoCO_3 – copper (II) carbonate