
When you are done, grade yourself using the answer key on the next page. To be well prepared for Exam #1, you should be scoring $\geq 85\%$ on your naming practice.

Converting from name to formula

- 1) What is the formula for chlorous acid?
 A) HCl(aq) B) HClO(aq) C) $\text{HClO}_2\text{(aq)}$ D) $\text{H}_2\text{ClO}_2\text{(aq)}$ E) $\text{HClO}_3\text{(aq)}$
- 2) What is the formula for silver borate?
 A) AgBO_3 B) $\text{Ag}_3(\text{BO}_3)_2$ C) $\text{Ag}(\text{BO}_3)_2$ D) Ag_3BO_3 E) Ag_2BO_3
- 3) What is the formula for triiodine pentoxide?
 A) I_2O_4 B) I_3O_4 C) I_2O_5 D) I_3O_5 E) I_5O_3
- 4) What is the formula for potassium hydrogen sulfide?
 A) K_2HS B) $\text{K}_2\text{H}_2\text{S}$ C) KH_2S D) $\text{K}(\text{HS})_2$ E) KHS
- 5) What is the formula for cobalt(III) hydroxide?
 A) Co_3H B) CoH_3 C) Co_3OH D) CoOH E) $\text{Co}(\text{OH})_3$
- 6) What is the formula for phosphorous acid?
 A) $\text{H}_3\text{PO}_4\text{(aq)}$ B) $\text{H}_3\text{PO}_3\text{(aq)}$ C) $\text{H}_2\text{P}_2\text{O}_4\text{(aq)}$ D) $\text{H}_2\text{PO}_3\text{(aq)}$ E) $\text{H}_2\text{PO}_4\text{(aq)}$
- 7) What is the formula for iron(III) thiosulfate?
 A) $\text{Fe}_2(\text{S}_2\text{O}_3)_3$ B) FeS_3O_2 C) $\text{Fe}_3\text{S}_2\text{O}_2$ D) FeS_2O_3 E) $\text{Fe}(\text{S}_3\text{O}_2)_2$
- 8) What is the formula for heptasulfur decfluoride?
 A) S_5F_7 B) S_7F_{10} C) S_6F_{10} D) S_7F_6 E) S_7F_9
- 9) What is the formula for tin(IV) carbonate?
 A) $\text{Sn}(\text{CO}_3)_4$ B) $\text{Sn}(\text{CO}_2)_2$ C) $\text{Sn}(\text{CO}_2)_4$ D) $\text{Sn}(\text{CO}_3)_2$ E) SnCO_2
- 10) What is the formula for ammonium sulfide?
 A) NH_4S B) $(\text{NH}_4)_2\text{S}$ C) NH_4SO_3 D) $(\text{NH}_3)_2\text{S}$ E) $(\text{NH}_4)_2\text{SO}_3$

Converting from formula to name

- 11) What is the name for RbIO ?
 A) rubidium(I) hypoiodite B) rubidium hypoiodite C) rubidium hypoiodate
 D) rubidium iodate E) rubidium (II) iodite
- 12) What is the name for $\text{HIO}_3\text{(aq)}$?
 A) hydroiodic acid B) hypoiodic acid C) hypoiodous acid
 D) iodous acid E) iodic acid
- 13) What is the name for CO_2 ?
 A) carbonate B) monocarbon bioxide C) monocarbon dioxide
 D) carbon bioxide E) carbon dioxide

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- 14) What is the name for N_2O_4 ?
 A) binitrous tetroxide B) binitrogen tetroxide C) dinitrogen tetroxide
 D) dinitride tetraoxide E) dinitrogen tetraoxide
- 15) What is the name for $H_2C_2O_4(aq)$?
 A) oxalic acid B) oxalous acid C) hydrogen oxalic acid
 D) carbonic acid E) hydrocarbonic acid
- 16) What is the name for $Zn(NO_2)_2$?
 A) zinc nitride B) zinc(II) nitrate C) zinc nitrite
 D) zinc(II) nitride E) zinc nitrate
- 17) What is the name for SBr_6 ?
 A) sulfur hexabromine B) sulfur bromide C) sulfer hexabromide
 D) sulfur(VI) bromine E) sulfur hexabromide
- 18) What is the name for PbS_2 ?
 A) lead disulfide B) lead bisulfide C) lead(II) sulfide
 D) lead(IV) sulfide E) lead(II) disulfide
- 19) What is the name for $Mn_3(AsO_4)_2$?
 A) magnesium arsenic tetroxide B) manganese(II) arsenate C) manganese(III) arsenite
 D) magnesium(II) arsenite E) magnesium(III) arsenate
- 20) What is the name for Ca_3N_2 ?
 A) calcium nitride B) tricalcium dinitrogen C) tricalcium binitride
 D) tricalcium dinitride E) calcium(II) nitride

Answers (5 pt each; 100 pt total)

1) C	2) D	3) D	4) E	5) E
6) B	7) A	8) B	9) D	10) B
11) B	12) E	13) E	14) C	15) A
16) C	17) E	18) D	19) B	20) A