

This is a sample quiz for CH 221 providing examples of nomenclature. Answers are provided at the end of this handout. *Good luck!*

Name the following compounds. Use acid names where appropriate.

1. NaF
2. MgCl₂
3. CaCO₃
4. Ca(HCO₃)₂
5. KHCO₃
6. AgNO₃
7. Zn(NO₂)₂
8. CdSO₄
9. Al₂(SO₃)₃
10. Au₃(PO₄)₂
11. Cu₃PO₃
12. NaClO₃
13. Ba(ClO₂)₂
14. AgClO
15. Fe(ClO₄)₃
16. Co(BrO₃)₂
17. Mn(BrO₂)₂
18. Cr(BrO)₃
19. Zn(BrO₄)₂
20. AgIO₃
21. Al(IO₂)₃
22. NaIO
23. LiIO₄

24. $\text{Ti}(\text{HSO}_3)_2$
25. SnO_2
26. N_2O
27. CO
28. P_2O_5
29. CCl_4
30. SO_3
31. Se_2F_6
32. HCl
33. HClO_3
34. HBrO_2
35. HIO
36. HClO_4
37. H_2SO_4
38. H_2CO_3
39. HCH_3CO_2
40. HNO_3
41. HBr
42. HI

Write the formulas for the following compounds:

43. Sodium chloride
44. Potassium sulfide
45. Calcium fluoride
46. Lead(IV) oxide

47. Lithium nitrate
48. Barium nitrite
49. Gold(II) sulfate
50. Chromium(I) sulfite
51. Manganese(II) bisulfate
52. Iron(III) carbonate
53. Cadmium(II) carbonate
54. Zinc(II) hydrogen carbonate
55. Silver(I) hydrogen carbonate
56. Aluminum perchlorate
57. Chromium(III) iodate
58. Titanium(IV) bromite
59. Zinc(II) hypoiodite
60. Tetraphosphorous decafluoride
61. Sulfur trioxide
62. Trinitrogen hexachloride
63. Carbonic acid
64. Sulfurous acid
65. Perchloric acid
66. Bromic acid
67. Bromous acid
68. Hypoiodous acid
69. Acetic acid

Answers

1. Sodium fluoride
2. Magnesium chloride
3. Calcium carbonate
4. Calcium hydrogen carbonate
5. Potassium hydrogen carbonate
6. Silver(I) nitrate
7. Zinc(II) nitrite
8. Cadmium(II) sulfate
9. Aluminum sulfite
10. Gold(II) phosphate
11. Copper(I) phosphite
12. Sodium chlorate
13. Barium chlorite
14. Silver hypochlorite
15. Iron(III) perchlorate
16. Cobalt(II) bromate
17. Manganese(II) bromite
18. Chromium(III) hypobromite
19. Zinc(II) perbromate
20. Silver(I) iodate
21. Aluminum iodite
22. Sodium hypoiodite
23. Lithium periodate
24. Titanium(II) bisulfite
25. Tin(IV) oxide
26. Dinitrogen monoxide
27. Carbon monoxide
28. Diphosphorus pentoxide
29. Carbon tetrachloride
30. Sulfur trioxide
31. Diselenium hexafluoride
32. Hydrochloric acid
33. Chloric acid
34. Bromous acid
35. hypoiodous acid
36. Perchloric acid
37. Sulfuric acid
38. Carbonic acid
39. Acetic acid
40. Nitric acid
41. Hydrobromic acid
42. Hydroiodic acid
43. NaCl
44. K₂S
45. CaF₂
46. PbO₂
47. LiNO₃
48. Ba(NO₂)₂
49. AuSO₄
50. Cr₂SO₃
51. Mn(HSO₄)₂
52. Fe₂(CO₃)₃
53. CdCO₃
54. Zn(HCO₃)₂
55. AgHCO₃
56. Al(ClO₄)₃
57. Cr((IO₃)₃)₃
58. Ti(BrO₂)₄
59. Zn(IO)₂
60. P₄F₁₀
61. SO₃
62. N₃Cl₆
63. H₂CO₃
64. H₂SO₃
65. HClO₄
66. HBrO₃
67. HBrO₂
68. HIO
69. HCH₃CO₂