

Handout 1-02: NOMENCLATURE WORKSHEET ANSWERS

Write a correct name for each of the following compounds.

1. AgI silver iodide
2. CuSO₄ copper(II) sulphate OR cupric sulphate
3. NaCN sodium cyanide
4. PCl₅ phosphorus(V) chloride OR phosphorus pentachloride
5. Fe(NO₃)₂ iron(II) nitrate OR ferrous nitrate
6. (NH₄)₂SO₄ ammonium sulphate
7. RbSCN rubidium thiocyanate
8. AlPO₄ aluminum phosphate
9. Hg(NO₃)₂ mercury(II) nitrate OR mercuric nitrate
10. BiBr₃ bismuth(III) bromide OR bismuth tribromide
11. K₂CO₃ potassium carbonate
12. CuSO₃ copper(II) sulphite OR cupric sulphite
13. SiF₄ silicon tetrafluoride
14. Pb(BrO₂)₂ lead(II) bromite OR plumbous bromite
15. Na₃PO₄ sodium phosphate
16. SnSO₄ tin(II) sulphate OR stannous sulphate
17. SO₃ sulphur(VI) oxide OR sulphur trioxide
18. K₂Cr₂O₇ potassium dichromate
19. Al₂(CO₃)₃ aluminum carbonate
20. KHCO₃ potassium bicarbonate OR potassium hydrogen carbonate
21. Cu(C₂H₃O₂)₂ copper(II) acetate OR cupric acetate
22. HNO₂ hydrogen nitrite OR nitrous acid
23. Fe(ClO)₂ iron(II) hypochlorite OR ferrous hypochlorite
24. HgCr₂O₇ mercury(II) dichromate OR mercuric dichromate
25. NI₃ nitrogen(III) iodide OR nitrogen tri-iodide
26. MnS₂ manganese(IV) sulphide
27. Na₂SO₃ sodium sulphite
28. H₂SO₃ hydrogen sulphite OR sulphurous acid
29. Li₂O lithium oxide
30. CdS cadmium sulphide
31. Ni(NO₂)₂ nickel(II) nitrite OR nickelous nitrite
32. SCl₄ sulphur(IV) chloride OR sulphur tetrachloride
33. AgBrO₄ silver perbromate
34. Mg₃N₂ magnesium nitride
35. CaH₂ calcium hydride

Write the correct chemical formula for each of the following.

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| 1. Silver chloride | <u>AgCl</u> | 2. Cupric iodide | <u>CuI₂</u> |
| 3. Zinc sulphate | <u>ZnSO₄</u> | 4. Ammonia | <u>NH₃</u> |
| 5. Strontium fluoride | <u>SrF₂</u> | 6. Potassium cyanide | <u>KCN</u> |
| 7. Silver sulphide | <u>Ag₂S</u> | 8. Sulphur trioxide | <u>SO₃</u> |
| 9. Phosphoric acid | <u>H₃PO₄</u> | 10. Aluminum nitrate | <u>Al(NO₃)₃</u> |
| 11. Silver hydroxide | <u>AgOH</u> | 12. Ferrous sulphate | <u>FeSO₄</u> |
| 13. Cesium perbromate | <u>CsBrO₄</u> | 14. Sodium carbonate | <u>Na₂CO₃</u> |
| 15. Potassium permanganate | <u>KMnO₄</u> | 16. Strontium bromate | <u>Sr(BrO₃)₂</u> |
| 17. Antimony(III) chloride | <u>SbCl₃</u> | 18. Nitrogen dioxide | <u>NO₂</u> |
| 19. Zinc acetate | <u>Zn(C₂H₃O₂)₂</u> | 20. Nitrous acid | <u>HNO₂</u> |
| 21. Plumbous iodate | <u>Pb(IO₃)₂</u> | 22. Potassium chlorate | <u>KClO₃</u> |
| 23. Chromium(III) oxide | <u>Cr₂O₃</u> | 24. Chromium(III) iodide | <u>CrI₃</u> |
| 25. Aluminum oxide | <u>Al₂O₃</u> | 26. Cobaltous chlorate | <u>Co(ClO₃)₂</u> |
| 27. Ammonium bromate | <u>NH₄BrO₃</u> | 28. Calcium hypobromite | <u>Ca(BrO)₂</u> |
| 29. Calcium sulphide | <u>CaS</u> | 30. Calcium phosphite | <u>Ca₃(PO₃)₂</u> |
| 31. Nitrogen(I) oxide | <u>N₂O</u> | 32. Nitrogen(IV) oxide | <u>NO₂</u> |
| 33. Strontium hydroxide | <u>Sr(OH)₂</u> | 34. Calcium nitrite | <u>Ca(NO₂)₂</u> |
| 35. Aluminum hypochlorite | <u>Al(ClO)₃</u> | 36. Titanium(III) chloride | <u>TiCl₃</u> |
| 37. Silver carbonate | <u>Ag₂CO₃</u> | 38. Ferrous phosphate | <u>Fe₃(PO₄)₂</u> |
| 39. Barium hypobromite | <u>Ba(BrO)₂</u> | 40. Aluminum acetate | <u>Al(C₂H₃O₂)₃</u> |
| 41. Plumbous carbonate | <u>PbCO₃</u> | 42. Iron(II) bromide | <u>FeBr₂</u> |
| 43. Sodium thiocyanate | <u>NaSCN</u> | 44. Lithium carbonate | <u>Li₂CO₃</u> |
| 45. Silver nitride | <u>Ag₃N</u> | 46. Sodium bicarbonate | <u>NaHCO₃</u> |
| 47. Arsenic(III) chloride | <u>AsCl₃</u> | 48. Antimonic bromide | <u>SbBr₅</u> |
| 49. Cobaltous acetate | <u>Co(C₂H₃O₂)₂</u> | 50. Hydroiodic acid | <u>HI</u> |
| 51. Aluminum nitride | <u>AlN</u> | 52. Ammonium carbonate | <u>(NH₄)₂CO₃</u> |
| 53. Diphosphorus pentoxide | <u>P₂O₅</u> | 54. Chromium(III) carbonate | <u>Cr₂(CO₃)₃</u> |
| 55. Hypobromous acid | <u>HBrO</u> | 56. Nickelous chlorate | <u>Ni(ClO₃)₂</u> |
| 57. Silicon dioxide | <u>SiO₂</u> | 58. Ammonium iodate | <u>NH₄IO₃</u> |
| 59. Lithium phosphite | <u>Li₃PO₃</u> | 60. Dinitrogen pentoxide | <u>N₂O₅</u> |
| 61. Cadmium nitrate | <u>Cd(NO₃)₂</u> | 62. Lead(IV) iodate | <u>Pb(IO₃)₄</u> |
| 63. Nickel(III) iodide | <u>NiI₃</u> | 64. Calcium phosphate | <u>Ca₃(PO₄)₂</u> |
| 65. Silver chromate | <u>Ag₂CrO₄</u> | 66. Magnesium sulphite | <u>MgSO₃</u> |
| 67. Mercurous iodate | <u>HgIO₃</u> | 68. Stannic oxide | <u>SnO₂</u> |
| 69. Barium carbonate | <u>BaCO₃</u> | 70. Potassium arsenide | <u>K₃As</u> |