Name: Key Class: Date:

Chemical Nomenclature Worksheet – Writing Formulas

Ionic compounds, covalent molecules, and acids…oh my!

Write chemical formulas.

1. sulfur dioxide SO_2
2. ammonium phosphate $(NH_4)_3PO_4$
3. lithium hydroxide $LiOH$
4. sodium sulfate Na_2SO_4
5. perbromic acid $HBrO_4$
6. chloric acid $HClO_3$
7. iron(II) chromate $FeCrO_4$
8. silicon dioxide SiO_2
9. carbon tetrachloride CCl_4
10. hydrochloric acid HCl
11. nickel(II) sulfite $NiSO_3$
12. diphosphorus pentoxide P_2O_5
13. copper(II) sulfate $CuSO_4$
14. silver iodide AgI
15. acetic acid $HC_2H_3O_2$
16. arsenic acid H_3AsO_4
17. platinum(IV) cyanide $Pt(CN)_4$
18. carbon disulfide CS_2
19. gold(III) chloride $AuCl_3$
20. sulfurous acid H_2SO_3
21. thiocyanic acid $HSCN$
22. copper(I) carbonate Cu_2CO_3
23. ammonium sulfite $(NH_4)_2SO_3$
24. hydroiodic acid HI
25. diphosphorus pentoxide P_2O_5
26. antimony(III) chloride $SbCl_3$
27. magnesium hydroxide $Mg(OH)_2$
28. silver hypochlorite $AgClO$
29. ammonia NH_3
30. iodic acid HIO_3
31. sulfur trioxide SO_3
32. zinc oxide ZnO
33. silver cyanide $AgCN$
34. phosphorus pentabromide PBr_5
35. barium bisulfite $Ba(HSO_3)_2$
36. calcium bicarbonate $Ca(HCO_3)_2$
37. lead(IV) chlorite $Pb(ClO_2)_4$
38. beryllium arsenate $Be_3(AsO_4)_2$
39. aluminum perchlorate $Al(ClO_4)_3$
40. nickel(II) iodide NiI_2

Name: Key Class: Date:

Chemical Nomenclature Worksheet – Writing Names

More ionics, covalents, and acids…oh my!

Write chemical names.

1. NiF_2 nickel (II) fluoride
2. $AlCl_3$ aluminum chloride
3. N_2O_4 dinitrogen tetroxide
4. $AgC_2H_3O_2$ silver acetate
5. H_2SO_3 sulfurous acid
6. HCN hydrocyanic acid
7. SiO_2 silicon dioxide
8. CO carbon monoxide
9. $BaSO_3$ barium sulfite
10. PF_5 phosphorus pentafluoride
11. Al_2O_3 aluminum oxide
12. FeO iron (II) oxide
13. HBr hydrobromic acid
14. $H_2C_2O_4$ oxalic acid
15. CO_2 carbon dioxide
16. NH_4I ammonium iodide
17. HNO_3 nitric acid
18. HNO_2 nitrous acid
19. $MgBr_2$ magnesium bromide
20. SnS_2 tin (IV) sulfide
21. H_2CrO_4 chromic acid
22. IF_7 iodine heptafluoride
23. $Sn_3(PO_4)_4$ tin (IV) phosphate
24. P_3N_5 triphosphorus pentanitride
25. ClO_2 chlorine dioxide
26. NaCN sodium cyanide
27. CoF_3 cobalt (III) fluoride
28. XeF_4 xenon tetrafluoride
29. NI_3 nitrogen triiodide
30. KF potassium fluoride
31. $H_2C_2O_4$ oxalic acid
32. HClO hypochlorous acid
33. HCl hydrochloric acid
34. $NaMnO_4$ sodium permanganate
35. $HMnO_4$ permanganic acid
36. PbO lead (II) oxide
37. KOH potassium hydroxide
38. CaH_2 calcium hydride
39. As_2O_5 diarsenic pentoxide
40. HF hydrofluoric acid