

Name: _____

KEY

Block: _____

Chemistry 11

Atoms Worksheet

Directions: Odd # - List all Elements and the # of atoms or each element.
Even # - Total # of atoms in this molecule.

- H_2O 2 Hydrogen atoms, 1 oxygen atom
- ClO_2 3 atoms total
- NH_3 1 Nitrogen atom, 3 hydrogen atoms
- $PbCl_2$ 3 atoms total
- CCl_4 1 Carbon atom, 4 chlorine atoms
- C_3H_8 11 atoms total
- C_5H_{12} 5 carbon atoms, 12 hydrogen atoms
- $Ca(OH)_2$ 5 atoms total
- $BaSO_4$ 1 Barium, 1 Sulphur, 4 oxygen
- $Mg(NO_3)_2$ 9 atoms total
- $Al(ClO_3)_3$ 1 Aluminum, 3 Chlorine, 9 oxygen
- $NiSO_4$ 6 atoms total
- HNO_3 1 hydrogen, 1 nitrogen, 3 oxygen
- P_4O_{10} 14 atoms total
- C_2H_5OH 2 Carbon, 6 hydrogen, 1 oxygen
- HF_2 3 atoms total
- $Mg(ClO_4)_2$ 1 magnesium, 2 chlorine, 8 oxygen
- $MnCl_2$ 3 atoms total
- $Cr(NO_3)_3$ 1 Chromium, 3 Nitrogen, 9 oxygen
- $Zn(NO_3)_2$ 9 atoms total
- $Sn(SO_4)_2$ 1 tin, 2 sulphur, 8 oxygen
- $BaCO_3$ 5 atoms total
- $NaClO$ 1 Sodium, 1 chlorine, 1 oxygen
- $Fe(C_2H_3O_2)_3$ 1 Iron, 6 Carbon, 9 hydrogen, 6 oxygen
- KCN 3 atoms total
- KCl 1 Potassium, 1 chlorine
- $Cr(OH)_3$ 7 atoms total
- $Fe(IO_4)_3$ 1 Iron, 3 iodine, 12 oxygen
- PBr_5 6 atoms total
- $KMnO_4$ 1 potassium, 1 manganese, 4 oxygen
- $Sr(NO_3)_2$ 9 atoms total
- $CaCO_3$ 1 Calcium, 1 carbon, 3 oxygen
- $2NH_3$ 8 atoms total
- $5CO$ 5 carbon, 5 oxygen
- $3CCl_4$ 15 atoms total
- $2FeCO_3$ 2 Iron, 2 Carbon, 6 oxygen
- $2(NH_4)_2CO_3$ 28 atoms total
- $5HIO_2$ 5 hydrogen, 5 iodine, 10 oxygen
- $3HNO_2$ 12 atoms total
- $10H_2SO_4$ 20 hydrogen, 10 sulphur, 40 oxygen
- $5HCl$ 10 atoms total
- $6CH_4$ 6 Carbon atoms, 24 hydrogen atoms
- $3MgCl_2$ 9 atoms total
- $5C_3H_8$ 15 Carbon atoms, 40 hydrogen atoms
- $2PCl_5$ 12 atoms total
- $6NO_2$ 6 nitrogen atoms, 12 oxygen atoms

Name: _____

Block: _____

KEY

24. $\text{Al}(\text{OH})_3$ 7 atoms total 54. $3\text{N}_2\text{O}_5$ 15 atoms total
 25. CS_2 1 carbon, 2 sulphur 55. $3\text{Ag}_2\text{S}$ 6 silver atoms, 3 sulphur atoms
 26. $\text{Fe}_2(\text{SO}_4)_3$ 17 atoms total 56. 4Cl_2 8 atoms total
 27. KIO_3 1 potassium, 1 iodine, 3 oxygen 57. 3S_8 24 sulphur atoms
 28. $\text{C}_2\text{H}_{12}\text{O}_2$ 16 atoms total 58. 9O_3 27 atoms total
 29. $\text{C}_3\text{H}_5(\text{OH})_3$ 3 Carbon, 3 oxygen, 8 hydrogen 59. $2\text{H}_2\text{SO}_3$ 4 hydrogen, 2 sulphur, 6 oxygen.
 30. $\text{H}_2\text{C}_2\text{O}_4$ 8 atoms total 60. 8CaI_2 24 atoms total

Each particle of the following compounds contains the atoms listed. Write the formula of each compound.

- One copper atom and one sulphur atom CS
- One nitrogen and three hydrogen atoms NH_3
- Two hydrogen and one sulphur atom H_2S
- One hydrogen, one nitrogen and three oxygen atoms HNO_3
- Two potassium, one carbon and three oxygen atoms K_2CO_3
- Two aluminum and three oxygen atoms Al_2O_3
- One iron, one phosphorous and four oxygen atoms FePO_4
- One nitrogen, four hydrogen, one carbon and three oxygen atoms NH_4CO_3
- One sodium, one manganese and four oxygen atoms NaMnO_4
- One potassium, one chlorine and three oxygen atoms KClO_3
- Six carbons, twelve hydrogen and six oxygen atoms $\text{C}_6\text{H}_{12}\text{O}_6$
- One carbon, three hydrogen, one oxygen and one hydrogen atom. CH_3OH

Name: _____

KEY

Block: _____

Chemistry 11

Atoms Worksheet

Directions: Odd # - List all Elements and the # of atoms or each element.
Even # - Total # of atoms in this molecule.

- H_2O 2 Hydrogen atoms, 1 oxygen atom
- ClO_2 3 atoms total
- $PbCl_2$ 1 Lead atom, 2 chlorine atoms
- CCl_4 5 atoms total
- C_5H_{12} 5 Carbon atom, 12 hydrogen
- $Sr(NO_3)_2$ 9 atoms total
- $CaCO_3$ 1 Calcium, 1 Carbon, 3 oxygen
- $2NH_3$ 8 atoms total
- $5CO$ 5 Carbon, 5 oxygen
- $10H_2SO_4$ 70 atoms total

Each particle of the following compounds contains the atoms listed. Write the formula of each compound.

- One copper atom and one sulphur atom CS
- One nitrogen and three hydrogen atoms NH₃
- Two hydrogen and one sulphur atom H₂S
- One hydrogen, one nitrogen and three oxygen atoms HNO₃
- Two potassium, one carbon and three oxygen atoms K₂CO₃
- Two aluminum and three oxygen atoms Al₂O₃
- One iron, one phosphorous and four oxygen atoms FePO₄
- One nitrogen, four hydrogen, one carbon and three oxygen atoms NH₄CO₃
- One sodium, one manganese and four oxygen atoms NaMnO₄
- One potassium, one chlorine and three oxygen atoms KClO₃
- Six carbons, twelve hydrogen and six oxygen atoms C₆H₁₂O₆
- One carbon, three hydrogen, one oxygen and one hydrogen atom. CH₃OH

Name: _____

KEY

Block: _____

Chemistry 11

Writing Chemical Formulas (Basic)

Directions: Write the formula for each of the following.

1. Calcium oxide CaO
2. Lithium nitride Li_3N
3. Magnesium sulphide MgS
4. Silver chloride AgCl
5. Strontium fluoride SrF_2
6. Barium bromide BaBr_2
7. Cesium phosphide Cs_3P
8. Potassium iodide KI
9. Aluminum nitride AlN
10. Zinc sulphide ZnS
11. Gallium bromide GaBr_3
12. Strontium oxide SrO
13. Rubidium nitride Rb_3N
14. Silver oxide Ag_2O
15. Magnesium phosphide Mg_3P_2
16. Barium oxide BaO
17. Zinc iodide ZnI_2
18. Cesium chloride CsCl
19. Lithium sulphide Li_2S
20. Aluminum fluoride AlF_3
21. Beryllium selenide BeSe
22. Silver phosphide Ag_3P
23. Calcium bromide CaBr_2
24. Barium nitride Ba_3N_2

Name: _____

Block: _____



Chemistry 11

Writing Chemical Formulas (Polyatomic)

Directions: Write the formula for each of the following.

1. Aluminum iodate $Al(IO_3)_3$
2. Zinc cyanate $Zn(CNO)_2$
3. Potassium phosphite K_3PO_3
4. Silver hypoiodite $AgIO$
5. Lithium perbromate $LiBrO_4$
6. Magnesium thiocyanate $Mg(SCN)_2$
7. Cesium bisulphate $CsHSO_4$
8. Strontium nitrate $Sr(NO_3)_2$
9. Sodium bicarbonate $NaHCO_3$
10. Silver oxalate $Ag_2C_2O_4$
11. Barium chlorate $Ba(ClO_3)_2$
12. Aluminum acetate $Al(CH_3COO)_3$
13. Rubidium borate Rb_3BO_3
14. Beryllium silicate $BeSiO_3$
15. Calcium hydrogen oxalate $Ca(CHC_2O_4)_2$
16. Lithium hypobromite $LiBrO$
17. Potassium amide KNH_2
18. Sodium selenate Na_2SeO_4
19. Silver chromite $AgCrO_2$
20. Aluminum chromite $Al(CrO_2)_3$
21. Zinc hydroxide $Zn(OH)_2$
22. Barium thiosulphate BaS_2O_3
23. Magnesium benzoate $Mg(C_6H_5COO)_2$
24. Strontium molybdate $SrMoO_4$

Name: _____

KEY

Block: _____

Chemistry 11

Naming Compounds Worksheet - Basic

Directions: Name each of the following compounds. Have fun ☺

1. CaO Calcium Oxide
2. NaCl sodium chloride
3. Cs_2S cesium sulphide
4. Li_2O lithium oxide
5. MgCl_2 magnesium chloride
6. BaS barium sulphide
7. Sc_2O_3 scandium oxide
8. BeS beryllium sulphide
9. SrCl_2 strontium chloride
10. Al_2S_3 aluminum sulphide
11. MgO magnesium oxide
12. BaI_2 barium iodide
13. KCl potassium chloride
14. CsOH cesium hydroxide
15. AlBr_3 aluminum bromide
16. Ag_3PO_3 silver phosphate
17. Y_2S_3 yttrium sulphide
18. AgBr silver bromide
19. ZnO zinc oxide
20. GaN gallium nitride
21. Na_3P sodium phosphide
22. LaF_3 lanthanum fluoride
23. GaI_3 gallium iodide
24. $\text{Ba}(\text{NO}_3)_2$ barium nitrate

Name: _____

Key

Block: _____

25. $\text{Sr}_3(\text{PO}_4)_2$ strontium phosphate
26. MgSO_4 magnesium sulphate
27. Al_2Se_3 aluminum selenide
28. AlBO_3 aluminum borate
29. K_3P potassium phosphide
30. $\text{Sc}_2(\text{CO}_3)_3$ scandium carbonate
31. YI_3 yttrium (III) iodide
32. $\text{Zn}_3\text{B}_4\text{O}_7$ zinc tetraborate
33. NaIO_3 sodium iodate
34. K_3PO_3 potassium phosphite
35. YN yttrium (III) nitride
36. $\text{Al}_2(\text{HPO}_4)_3$ aluminum hydrogen phosphate
37. $\text{Li}_2(\text{C}_2\text{O}_4)$ lithium oxalate
38. Ca_3P_2 calcium phosphide
39. $(\text{NH}_4)_2\text{O}$ ammonium oxide
40. $\text{Mg}_3(\text{C}_6\text{H}_5\text{O}_7)_2$ magnesium citrate
41. NaBrO_3 sodium bromate
42. Ag_2S silver sulphide
43. KCl potassium chloride
44. Zn_3N_2 zinc nitride
45. $\text{Ba}_2\text{C}_4\text{H}_4\text{O}_6$ barium tartrate
46. $\text{Al}(\text{AlO}_2)_3$ aluminum aluminate
47. $\text{Cs}_2\text{S}_2\text{O}_3$ cesium thiosulfate
48. Ag_2CrO_4 silver chromate
49. BeMoO_4 beryllium molybdate
50. Cs_3N cesium nitride

Name: _____

KEY

Block _____

Chemistry 11**Writing Chemical Formulas (Multivalent)****Directions:** Write the formula for each of the following compounds. Have fun ☺

1. Titanium (III) oxide Ti_2O_3
2. Iron (II) sulphide FeS
3. Cobalt (III) phosphite $CoPO_3$
4. Lead (IV) bromide $PbBr_4$
5. Manganese (II) bisulphate $Mn(HSO_4)_2$
6. Gold (III) nitride AuN
7. Chromium (VI) phosphate $Cr(PO_4)_2$
8. Nickel (II) sulphide NiS
9. Platinum (IV) phosphide Pt_3P_4
10. Palladium (III) hypochlorite $Pd(ClO)_3$
11. Iron (III) hydroxide $Fe(OH)_3$
12. Copper (I) acetate $CuCH_3COO$
13. Tin (IV) thiocyanate $Sn(SCN)_4$
14. Lead (II) chloride $PbCl_2$
15. Vanadium (V) sulphite $V_2(SO_3)_2$
16. Iron (II) monohydrogen phosphate $FeHPO_4$
17. Cobalt (II) sulphate $CoSO_4$
18. Chromium (VI) oxide $Cr_2O_6 = CrO_3$
19. Titanium (IV) phosphide Ti_3P_4
20. Gold (III) nitrite $Au(NO_2)_3$
21. Antimony (V) hypochlorite $Sb(ClO)_5$
22. Cobalt (III) bicarbonate $Co(HCO_3)_3$
23. Molybdenum (II) nitride Mo_3N_2
24. Gold (I) bisulphate $AuHSO_4$

Date: _____

KEY

Name: _____

Block: _____

Writing Formulae

- | | |
|----------------------------|---|
| 1. Potassium bromide | 1. <u>KBr</u> |
| 2. Calcium chloride | 2. <u>CaCl₂</u> |
| 3. Aluminum fluoride | 3. <u>AlF₃</u> |
| 4. Sodium oxide | 4. <u>Na₂O</u> |
| 5. Potassium hydroxide | 5. <u>KOH</u> |
| 6. Calcium sulphate | 6. <u>CaSO₄</u> |
| 7. Iron(II) sulphate | 7. <u>FeSO₄</u> |
| 8. Iron(III) sulphate | 8. <u>Fe₂(SO₄)₃</u> |
| 9. Sodium phosphate | 9. <u>Na₃PO₄</u> |
| 10. Manganese(II) nitrate | 10. <u>Mn(NO₃)₂</u> |
| 11. Chromium(III) oxide | 11. <u>Cr₂O₃</u> |
| 12. Chromium(III) sulphide | 12. <u>Cr₂S₃</u> |
| 13. Aluminium sulphate | 13. <u>Al₂(SO₄)₃</u> |
| 14. Aluminium chloride | 14. <u>AlCl₃</u> |
| 15. Calcium nitrate | 15. <u>Ca(NO₃)₂</u> |
| 16. Silver phosphate | 16. <u>Ag₃PO₄</u> |
| 17. Silver phosphide | 17. <u>Ag₃P</u> |
| 18. Vanadium (V) oxide | 18. <u>V₂O₅</u> |
| 19. Barium nitride | 19. <u>Ba₃N₂</u> |
| 20. Calcium selenide | 20. <u>Ca₃Se₂</u> |
| 21. Calcium iodide | 21. <u>CaI₂</u> |
| 22. Tungsten chloride | 22. <u>WCl₆</u> |
| 23. Scandium bromide | 23. <u>ScBr₃</u> |
| 24. Cobalt(II) nitrate | 24. <u>Co(NO₃)₂</u> |
| 25. Lead(IV) phosphate | 25. <u>Pb₃(PO₄)₄</u> |

Name: _____

KEY

Block: _____

Chemistry 11

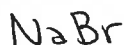
Writing Chemical Formulas Review Worksheet #2

Directions: Write the formula for each of the following.

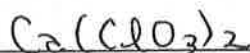
1. Lithium sulphate



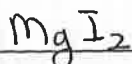
2. Sodium bromide



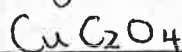
3. Calcium chlorate



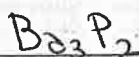
4. Magnesium Iodide



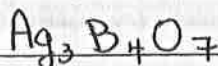
5. Copper (I) oxalate



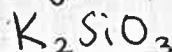
6. Barium phosphide



7. Silver tetraborate



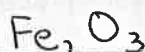
8. Potassium silicate



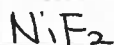
9. Lead (II) chloride



10. Iron (III) oxide



11. Nickel (II) fluoride



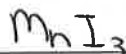
12. Gold (I) sulfide



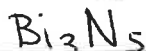
13. Lead (IV) bromide



14. Manganese (III) iodide



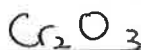
15. Bismuth (V) nitride



16. Copper (II) oxide



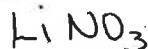
17. Chromium (III) oxide



18. Cobalt (III) nitride



19. Lithium nitrate



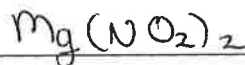
20. Sodium carbonate



21. Calcium chloride



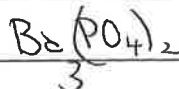
22. Magnesium nitrite



23. Cesium hydroxide



24. Barium phosphate



Name: _____

KEY

Block: _____

25. Gold (I) nitrate AuNO_3
26. Beryllium carbonate BeCO_3
27. Lead (II) sulfate PbSO_4
28. Iron (III) phosphite FePO_3
29. Nickel (II) sulfite NiSO_3
30. Gold (I) hydroxide AuOH
31. Chromium (II) phosphate $\text{Cr}_2(\text{PO}_4)_2$
32. Manganese (IV) sulfate $\text{Mn}(\text{SO}_4)_2$
33. Iron (III) chlorate $\text{Fe}(\text{ClO}_3)_3$
34. Ammonium nitrate NH_4NO_3
35. Copper (II) hydroxide $\text{Cu}(\text{OH})_2$
36. Chromium (III) phosphate CrPO_4
37. Cobalt (III) nitrate $\text{Co}(\text{NO}_3)_3$
38. Strontium acetate $\text{Sr}(\text{CH}_3\text{COO})_2$
39. Molybdenum (II) oxide MoO
40. Bismuth (III) nitride BiN
41. Gold (III) bromide AuBr_3
42. Titanium (III) hypobromite $\text{Ti}(\text{BrO})_3$
43. Cobalt (II) hydrogen oxalate $\text{Co}(\text{HC}_2\text{O}_4)_2$
44. Barium hydroxide $\text{Ba}(\text{OH})_2$
45. Calcium sulphide CaS
46. Ammonium thiosulphate $(\text{NH}_4)_2\text{S}_2\text{O}_3$
47. Osmium (IV) chromite $\text{Os}(\text{CrO}_2)_4$
48. Gallium bisulphide Ga_2HS
49. Lithium phosphide Li_3P
50. Magnesium sulphite MgSO_3

Name: _____



Block: _____

Chemistry 11

Naming Compounds Worksheet - Multivalent

Directions: Name each of the following compounds. Enjoy the Chem-is-try ☺

1. CuOH copper (I) hydroxide
2. $\text{Mn}(\text{SO}_4)_2$ manganese (IV) sulphate
3. $\text{Co}(\text{BrO}_2)_3$ cobalt (III) bromite
4. $\text{Pb}(\text{CrO}_4)_2$ lead (IV) chromate
5. CrP chromium (III) phosphide
6. $\text{Pt}(\text{SiO}_3)_2$ platinum (II) silicate
7. SnS tin (II) sulphide
8. $\text{Mo}_2(\text{CO}_3)_3$ molybdenum (III) carbonate
9. $\text{Ni}_2(\text{HPO}_4)_3$ nickel (III) hydrogen phosphate
10. BiBO_3 bismuth (III) borate
11. $\text{Pd}(\text{B}_4\text{O}_7)_2$ palladium (IV) tetraborate
12. $\text{Sb}(\text{IO}_3)_3$ antimony (III) iodate
13. $\text{Au}(\text{HS})_3$ gold (III) bisulphide
14. $\text{Co}(\text{OH})_2$ cobalt (II) hydroxide
15. $\text{Mn}(\text{HPO}_3)_2$ manganese (IV) hydrogen phosphite
16. $\text{V}_3(\text{AsO}_4)_4$ vanadium (IV) arsenate
17. $\text{Pb}(\text{C}_6\text{H}_5\text{COO})_4$ lead (IV) acetate
18. TiO_2 titanium (IV) oxide
19. CuBr copper (I) bromide
20. FeP iron (III) phosphide
21. $\text{Ti}(\text{C}_4\text{H}_4\text{O}_6)_2$ titanium (IV) tartrate
22. $\text{Sb}(\text{ClO}_4)_3$ antimony (III) perchlorate
23. OsO_2 osmium (IV) oxide
24. PtCO_3 platinum (II) carbonate

Name: _____

KEY

Block: _____

25. $\text{Cr}(\text{BO}_3)_2$ chromium (VI) borate
26. AuIO gold (I) hypoiodite
27. CuHC_2O_4 copper (I) hydrogen oxalate
28. $\text{Sn}(\text{SCN})_2$ tin (II) thiocyanate
29. $\text{Sb}_3(\text{AsO}_4)_5$ antimony (V) arsenate
30. $\text{Ni}(\text{BrO}_3)_2$ nickel (II) bromate
31. $\text{V}(\text{CrO}_4)_2$ vanadium (IV) chromate
32. $\text{Mn}(\text{CN})_2$ manganese (II) cyanide
33. $\text{Ti}_2(\text{Cr}_2\text{O}_7)_3$ titanium (III) dichromate
34. $\text{Cu}(\text{BrO}_4)_2$ copper (II) hypobromite
35. OsPO_3 osmium (III) phosphite
36. NiAsO_3 nickel (III) arsenate
37. Au_3PO_3 gold (I) phosphite
38. $\text{Mo}(\text{CrO}_2)_3$ molybdenum (III) chromite
39. $\text{Mn}(\text{CH}_3\text{COO})_3$ manganese (III) acetate
40. $\text{Fe}_2(\text{S}_2\text{O}_3)_3$ iron (III) thiosulfate
41. $\text{Cu}(\text{IO})_2$ copper (II) hypoiodite
42. PdO_2 palladium (IV) oxide
43. MoP molybdenum (III) phosphide
44. TiPO_4 titanium (III) phosphate
45. OsS_2 osmium (IV) sulphide
46. $\text{Au}(\text{AlO}_2)_3$ gold (III) aluminite
47. $\text{Cr}_2(\text{CO}_3)_3$ chromium (III) carbonate
48. $\text{Sb}_2(\text{HPO}_4)_5$ antimony (V) monohydrogen phosphate
49. MnS manganese (II) sulphide
50. PbC_2O_4 lead (II) oxalate

Name: _____

KEY

Block: _____

Chemistry 11

Naming Compounds Worksheet - Non-Metal / Non-Metal

Directions: Name each of the following compounds. Enjoy the Chem-is-try goodness

1. CO_3 carbon trioxide
2. N_2O_5 dinitrogen pentoxide
3. ClF_3 chlorine trifluoride
4. N_2O_7 dinitrogen heptoxide
5. CO carbon monoxide
6. NO_2 nitrogen dioxide
7. P_2O_6 diphosphorus hexoxide
8. S_4N_3 tetrasulphur trinitride
9. CS_2 carbon disulphide
10. Si_2I_8 disilicon octiodide
11. N_2O_9 dinitrogen nonoxide
12. P_5O_7 pentaphosphorus heptoxide
13. SO_2 sulphur dioxide
14. S_3O_7 trisulphur heptoxide
15. CCl_4 carbon tetrachloride
16. ClF_6 chlorine hexafluoride
17. SiCl_3 silicon trichloride
18. NO nitrogen monoxide
19. S_4Cl_3 tetrasulphur trichloride
20. BrF bromine monofluoride
21. XeF_8 xenon octafluoride
22. OF_4 oxygen tetrafluoride
23. S_5O_9 pentasulphur nonoxide
24. PCl_6 phosphorus hexachloride

Name: _____

KEY

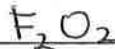
Block _____

Chemistry 11

Writing Chemical Formulas – Non Metal / Non Metal

Directions: Write the formula for each of the following compounds. Have fun ☺

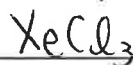
1. difluorine dioxide



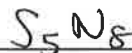
2. silicon tetrafluoride



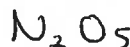
3. xenon trichloride



4. Pentasulphur octanitride



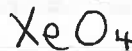
5. Dinitrogen pentoxide



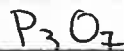
6. carbon pentabromide



7. xenon tetraoxide



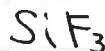
8. triphosphorus heptoxide



9. carbon dioxide



10. silicon trifluoride



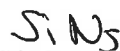
11. trinitrogen tetrabromide



12. nitrogen monoxide



13. silicon pentnitride



14. tricarbon hexafluoride



15. phosphorus hexoxide



16. sulphur pentabromide



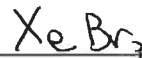
17. carbon heptachloride



18. sulphur octoxide



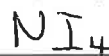
19. xenon tribromide



20. diphosphorus tetroxide



21. nitrogen tetraiodide



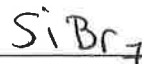
22. oxygen difluoride



23. tricarbon pentachloride



24. silicon heptabromide



Name: _____

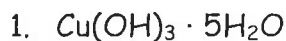
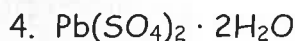
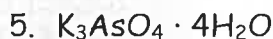
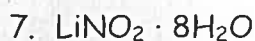
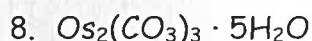
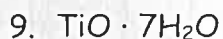
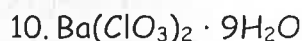
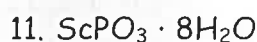
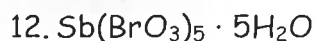
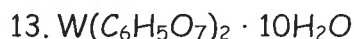
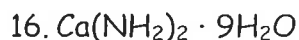
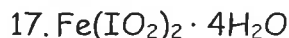
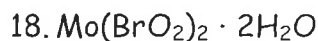
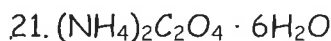
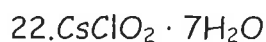
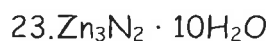
KEY

Block: _____

Chemistry 11

Naming Compounds Worksheet - Hydrates

Directions: Name each of the following hydrates. Make sure you smile ☺

copper (III) hydroxide pentahydratecalcium oxide trihydratemagnesium sulphide hexahydratelead (IV) sulphate dihydratepotassium arsenate tetrahydrateiron (II) hydrogen phosphate monohydratelithium nitrite octahydrateosmium (III) carbonatetitanium (II) oxide heptahydratebarium chlorate nonahydratescandium (III) phosphite octahydrateantimony (V) bromate pentahydratetungsten (VI) citrate decahydratecobalt (II) hypochlorite monohydrategold (I) cyanide trihydratecalcium amide nonahydrateiron (II) iodite tetrahydratemolybdenum (II) bromite dihydratesodium fluoride octahydratesilver (I) cyanate pentahydrateammonium oxalate hexahydratecesium chlorite heptahydratezinc nitride decahydratechromium (VI) dihydrogen phosphite dihydrate

Name: _____

KEY

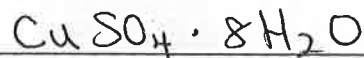
Block _____

Chemistry 11

Writing Chemical Formulas - Hydrates

Directions: Write the formula for each of the following compounds. Have fun ☺

1. Copper (II) sulphate octahydrate



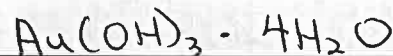
2. Calcium oxide monohydrate



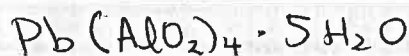
3. Manganese (IV) oxalate dihydrate



4. Gold (III) hydroxide tetrahydrate



5. Lead (IV) Aluminate pentahydrate



6. Silver bromide trihydrate



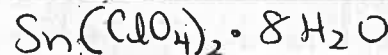
7. Titanium (III) borate hexahydrate



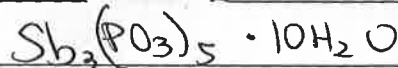
8. Molybdenum (III) phosphate heptahydrate



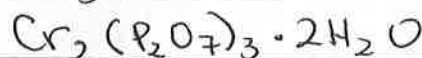
9. Tin (II) perchlorate octahydrate



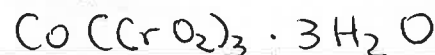
10. Antimony (V) phosphite decahydrate



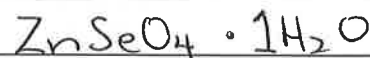
11. Chromium (VI) pyrophosphate dihydrate



12. Cobalt (III) chromite trihydrate



13. Zinc selenate monohydrate



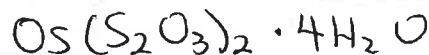
14. Copper (I) iodate nonahydrate



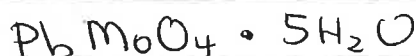
15. Iron (III) carbonate pentahydrate



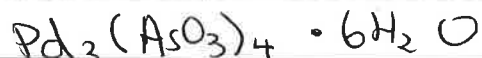
16. Osmium (IV) thiosulphate tetrahydrate



17. Lead (II) molybdate pentahydrate



18. Palladium (IV) arsenite hexahydrate



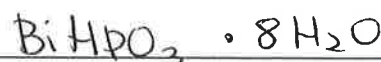
19. Antimony (III) hypochlorite pentahydrate



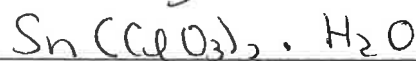
20. Vanadium (IV) acetate heptahydrate



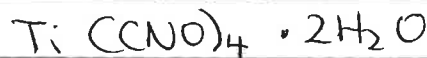
21. Bismuth (III) hydrophosphite octahydrate



22. Tin (II) chlorate monohydrate



23. Titanium (IV) cyanate dihydrate



24. Nickel (II) hydrogen sulphate hexahydrate

