

Date: _____

Name: _____

FORMULA #1

A. Name the following compounds

1. CaCl_2 _____
2. AgCl _____
3. MgO _____
4. NaBr _____
5. Al_2O_3 _____
6. KI _____
7. ZnCl_2 _____
8. Li_2O _____
9. BaO _____
10. CaBr_2 _____
11. MgCl_2 _____
12. AgI _____
13. ZnS _____
14. BaF_2 _____
15. Ca_3P_2 _____
16. Na_2O _____
17. AlN _____
18. SrBr_2 _____
19. Na_2Se _____
20. K_2O _____
21. H_2S _____
22. Be_3N_2 _____
23. LiF _____
24. AlCl_3 _____
25. SrO _____

B. Write the formulae for the following compounds

1. sodium chloride _____
2. potassium bromide _____
3. calcium iodide _____
4. zinc oxide _____
5. silver sulphide _____
6. potassium sulphide _____
7. barium hydride _____
8. silver oxide _____
9. lithium chloride _____
10. hydrogen bromide _____
11. strontium chloride _____
12. lithium nitride _____
13. zinc bromide _____
14. sodium iodide _____
15. barium chloride _____
16. potassium hydride _____
17. aluminum sulphide _____
18. silver telluride _____
19. calcium sulphide _____
20. magnesium phosphide _____
21. zinc selenide _____
22. sodium hydride _____
23. magnesium fluoride _____
24. zinc nitride _____
25. aluminum phosphide _____

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FORMULA #2

A. Name the following compounds

1. CaCO_3 _____
2. NH_4NO_3 _____
3. ZnSO_4 _____
4. KNO_3 _____
5. Mg(OH)_2 _____
6. LiHCO_3 _____
7. BaSO_4 _____
8. $\text{Al(ClO}_4)_3$ _____
9. Sr(OH)_2 _____
10. KClO_3 _____
11. NaHCO_3 _____
12. ZnCrO_4 _____
13. MgSO_4 _____
14. BaCO_3 _____
15. KMnO_4 _____
16. AgNO_3 _____
17. Al(OH)_3 _____
18. $\text{Mg(ClO}_4)_2$ _____
19. $\text{Na}_2\text{Cr}_2\text{O}_7$ _____
20. $(\text{NH}_4)_3\text{PO}_4$ _____
21. Na_2SO_3 _____
22. Ag_2SO_4 _____
23. KHS _____
24. NH_4HSO_4 _____
25. $\text{Zn(CH}_3\text{COO)}_2$ _____

B. Write the formulae for the following compounds

1. zinc carbonate _____
2. lithium carbonate _____
3. zinc nitrate _____
4. sodium permanganate _____
5. calcium hypochlorite _____
6. lithium cyanide _____
7. magnesium acetate _____
8. ammonium carbonate _____
9. sodium nitrite _____
10. potassium carbonate _____
11. strontium perchlorate _____
12. barium sulphite _____
13. magnesium chlorate _____
14. sodium hydrogen sulphite _____
15. aluminum chlorate _____
16. lithium hydroxide _____
17. silver sulphite _____
18. potassium cyanide _____
19. strontium carbonate _____
20. barium dichromate _____
21. ammonium sulphite _____
22. calcium hydroxide _____
23. silver chromate _____
24. aluminum sulphate _____
25. zinc phosphate _____

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FORMULA #3

A. Name the following compounds

1. CuCl _____
2. FeO _____
3. HgBr₂ _____
4. PbO₂ _____
5. CrS _____
6. FeCl₃ _____
7. CuS _____
8. Cu₂O _____
9. PbS _____
10. SnO _____
11. SnF₂ _____
12. CrN _____
13. CrF₂ _____
14. MnS _____
15. BeH₂ _____
16. Fe₂O₃ _____
17. CuCO₃ _____
18. PbSO₃ _____
19. Fe(NO₃)₃ _____
20. Sn(CH₃COO)₂ _____
21. Cu₂SO₄ _____
22. HgCrO₄ _____
23. Pb(NO₃)₂ _____
24. Sn(NO₃)₄ _____
25. Sn(SO₄)₂ _____

B. Write the formulae for the following compounds

1. cobalt (II) chloride _____
2. chromium (II) oxide _____
3. gold (I) chloride _____
4. lead (II) fluoride _____
5. copper (II) telluride _____
6. tin (IV) sulphide _____
7. gold (I) iodide _____
8. manganese (III) oxide _____
9. gold (I) cyanide _____
10. iron (III) sulphide _____
11. cobalt (III) oxide _____
12. gold (III) bromide _____
13. mercury (II) chlorate _____
14. lead (II) dichromate _____
15. chromium (III) nitrate _____
16. manganese (III) phosphate _____
17. tin (II) sulphate _____
18. copper (II) dichromate _____
19. cobalt (III) perchlorate _____
20. iron (II) acetate _____
21. chromium (II) sulphate _____
22. manganese (II) carbonate _____
23. copper (II) hydroxide _____
24. cobalt (III) hydroxide _____
25. mercury (II) acetate _____

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FORMULA #4

A. Write the formulae for the following compounds

- | | | | |
|------------------------------|-------|------------------------------------|-------|
| 1. carbon disulphide | _____ | 11. nitrogen dioxide | _____ |
| 2. nitrogen trifluoride | _____ | 12. disulphur decafluoride | _____ |
| 3. phosphorous pentabromide | _____ | 13. xenon hexafluoride | _____ |
| 4. iodine monochloride | _____ | 14. dinitrogen monoxide | _____ |
| 5. sulphur hexafluoride | _____ | 15. diiodine pentoxide | _____ |
| 6. disulphur dinitride | _____ | 16. diphosphorus tetraiodide | _____ |
| 7. boron tribromide | _____ | 17. dichlorine heptoxide | _____ |
| 8. sulphur tetrachloride | _____ | 18. silicon dioxide | _____ |
| 9. tetrasulphur tetranitride | _____ | 19. boron trichloride | _____ |
| 10. iodine heptafluoride | _____ | 20. sulphur chloride pentafluoride | _____ |

B. Name the following compounds These are a mix of questions (sheets 1-3)

- | | | | |
|--|-------|--|-------|
| 1. $\text{Ca}(\text{CN})_2$ | _____ | 16. $\text{Pb}(\text{CH}_3\text{COO})_4$ | _____ |
| 2. SnCl_4 | _____ | 17. NH_4HCO_3 | _____ |
| 3. HgF_2 | _____ | 18. FePO_4 | _____ |
| 4. FeI_2 | _____ | 19. $\text{Cu}(\text{ClO}_4)_2$ | _____ |
| 5. NH_4Cl | _____ | 20. $\text{Pb}(\text{ClO}_3)_2$ | _____ |
| 6. CuF_2 | _____ | 21. HgSO_4 | _____ |
| 7. $\text{Ca}(\text{MnO}_4)_2$ | _____ | 22. $\text{Mn}(\text{NO}_3)_2$ | _____ |
| 8. $(\text{NH}_4)_2\text{SO}_4$ | _____ | 23. $\text{Cu}_3(\text{PO}_4)_2$ | _____ |
| 9. $\text{Pb}(\text{HSO}_4)_2$ | _____ | 24. $\text{Fe}_2(\text{SO}_4)_3$ | _____ |
| 10. CrPO_4 | _____ | 25. $\text{Sn}(\text{CH}_3\text{COO})_4$ | _____ |
| 11. KHSO_4 | _____ | 26. H_2SO_4 | _____ |
| 12. SnI_2 | _____ | 27. $\text{Cu}(\text{ClO}_3)_2$ | _____ |
| 13. CrBr_3 | _____ | 28. Hg_2CO_3 | _____ |
| 14. $(\text{NH}_4)_2\text{Cr}_2\text{O}_7$ | _____ | 29. HNO_3 | _____ |
| 15. $\text{Cu}(\text{NO}_3)_2$ | _____ | 30. Cu_2SO_3 | _____ |

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FORMULA #5

A. Name the following compounds

1. SrF_2 _____
2. LiH _____
3. AlBr_3 _____
4. CaO _____
5. $(\text{NH}_4)_2\text{S}$ _____
6. Zn_3P_2 _____
7. MgCrO_4 _____
8. SrSO_4 _____
9. Na_2CO_3 _____
10. PbBr_2 _____
11. SnS _____
12. Cu_2S _____
13. SnO_2 _____
14. AuCl_3 _____
15. $\text{Zn}(\text{OH})_2$ _____
16. AgClO_4 _____
17. CuSO_4 _____
18. $\text{Fe}(\text{CH}_3\text{COO})_3$ _____
19. HgCrO_4 _____
20. $\text{K}_2\text{Cr}_2\text{O}_7$ _____
21. $\text{Sn}(\text{OH})_2$ _____
22. $\text{Pb}(\text{ClO}_4)_2$ _____
23. $\text{Cr}_2(\text{SO}_3)_3$ _____
24. Cu_2CO_3 _____
25. $\text{Ba}(\text{NO}_3)_2$ _____

B. Write the formulae for the following compounds

1. silver bromide _____
2. hydrogen telluride _____
3. potassium chloride _____
4. lithium cyanide _____
5. strontium sulphide _____
6. calcium acetate _____
7. aluminum nitrate _____
8. cobalt (II) sulphite _____
9. potassium bisulphite _____
10. iron (II) bromide _____
11. cobalt (III) sulphide _____
12. copper (I) iodide _____
13. ammonium sulphide _____
14. gold (III) iodide _____
15. lead (II) hydroxide _____
16. nickel (II) chlorate _____
17. cobalt (II) nitrate _____
18. calcium nitrate _____
19. lead (II) cyanide _____
20. manganese (II) sulphate _____
21. nickel (II) hydroxide _____
22. phosphorus tribromide _____
23. molybdenum (VI) oxide _____
24. arsenic pentafluoride _____
25. cobalt (II) carbonate _____

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FORMULA #6

A. Name the following compounds

- | | | | |
|--------------------------------|-------|----------------------------------|-------|
| 1. NH_4HSO_3 | _____ | 11. KHCO_3 | _____ |
| 2. CuBr_2 | _____ | 12. CuSe | _____ |
| 3. CaCrO_4 | _____ | 13. PbCrO_4 | _____ |
| 4. NH_4NO_2 | _____ | 14. CuSO_3 | _____ |
| 5. $\text{Ba}(\text{ClO}_4)_2$ | _____ | 15. Mg_3N_2 | _____ |
| 6. NaClO_2 | _____ | 16. FeF_2 | _____ |
| 7. SnI_4 | _____ | 17. $\text{Pb}_3(\text{PO}_4)_2$ | _____ |
| 8. CrCl_3 | _____ | 18. SnBr_2 | _____ |
| 9. MgCO_3 | _____ | 19. Cr_2S_3 | _____ |
| 10. MnO | _____ | 20. Ca_3N_2 | _____ |

B. Write the formulae for the following compounds

- | | | | |
|----------------------------|-------|--------------------------------|-------|
| 1. sodium sulphide | _____ | 16. potassium sulphite | _____ |
| 2. iron (III) fluoride | _____ | 17. gold (III) oxide | _____ |
| 3. magnesium hydride | _____ | 18. calcium chlorate | _____ |
| 4. mercury (I) sulphide | _____ | 19. cesium iodide | _____ |
| 5. tin (II) phosphate | _____ | 20. lithium nitrate | _____ |
| 6. antimony pentachloride | _____ | 21. cobalt (II) chromate | _____ |
| 7. copper (II) acetate | _____ | 22. tin (IV) fluoride | _____ |
| 8. barium nitride | _____ | 23. cobalt (III) acetate | _____ |
| 9. calcium hydride | _____ | 24. manganese (IV) sulphide | _____ |
| 10. manganese (II) acetate | _____ | 25. iron (III) sulphite | _____ |
| 11. cobalt (III) sulphate | _____ | 26. barium cyanide | _____ |
| 12. nickel (II) nitrite | _____ | 27. silver nitrite | _____ |
| 13. iron (III) dichromate | _____ | 28. diphosphorus pentasulphide | _____ |
| 14. iodine monobromide | _____ | 29. sodium hypochlorite | _____ |
| 15. calcium nitrite | _____ | 30. dicarbon tetrachloride | _____ |

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FORMULA #7

A. Name the following compounds

- | | | | |
|--------------------------------|-------|----------------------------------|-------|
| 1. NH_4HSO_4 | _____ | 11. KHS | _____ |
| 2. SnBr_4 | _____ | 12. HgTe | _____ |
| 3. MgCr_2O_7 | _____ | 13. PbCl_2 | _____ |
| 4. PbF_4 | _____ | 14. HgSO_3 | _____ |
| 5. $\text{Ba}(\text{ClO}_3)_2$ | _____ | 15. H_2Se | _____ |
| 6. Na_3P | _____ | 16. $\text{Ca}(\text{HCO}_3)_2$ | _____ |
| 7. CuNO_3 | _____ | 17. $\text{Sn}_3(\text{PO}_4)_2$ | _____ |
| 8. FeBr_3 | _____ | 18. MnBr_2 | _____ |
| 9. CaCO_3 | _____ | 19. Fe_2S_3 | _____ |
| 10. MgO | _____ | 20. MgI_2 | _____ |

B. Write the formulae for the following compounds

- | | | | |
|----------------------------|-------|-----------------------------|-------|
| 1. lead (II) oxide | _____ | 16. cobalt (II) fluoride | _____ |
| 2. iron (III) chloride | _____ | 17. gold (III) fluoride | _____ |
| 3. chromium (II) hydride | _____ | 18. calcium perchlorate | _____ |
| 4. mercury (I) oxide | _____ | 19. disulphur dichloride | _____ |
| 5. strontium phosphide | _____ | 20. sodium nitrate | _____ |
| 6. antimony (III) chloride | _____ | 21. iron (II) chromate | _____ |
| 7. silver acetate | _____ | 22. lead (IV) bromide | _____ |
| 8. cadmium phosphide | _____ | 23. chromium (III) acetate | _____ |
| 9. manganese (II) hydride | _____ | 24. manganese (IV) sulphide | _____ |
| 10. barium acetate | _____ | 25. iron (III) sulphate | _____ |
| 11. cobalt (III) sulphite | _____ | 26. zinc cyanide | _____ |
| 12. zinc iodide | _____ | 27. potassium nitrite | _____ |
| 13. iron (III) chromate | _____ | 28. dinitrogen pentoxide | _____ |
| 14. iodine trichloride | _____ | 29. barium hypochlorite | _____ |
| 15. magnesium nitrate | _____ | 30. silicon tetraiodide | _____ |

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FORMULA #8

A. Name the following compounds

1. LuF_3 _____
2. RaCO_3 _____
3. RuO_2 _____
4. $\text{Cs}_2\text{Cr}_2\text{O}_7$ _____
5. $\text{Bi}_2(\text{SO}_4)_3$ _____
6. TlClO_3 _____
7. $\text{Zr}(\text{OH})_4$ _____
8. Sm_2O_3 _____
9. $\text{Tl}(\text{CH}_3\text{COO})_3$ _____
10. EuF_3 _____
11. DyCl_3 _____
12. $\text{Pd}(\text{NO}_3)_2$ _____
13. $\text{Tb}_2(\text{CO}_3)_3$ _____
14. CsOH _____
15. $\text{Ce}(\text{OH})_4$ _____
16. PtI_2 _____
17. $\text{Th}(\text{NO}_3)_4$ _____
18. NbBr_5 _____
19. Rh_2O_3 _____
20. RhO_2 _____
21. $\text{Ti}(\text{SO}_4)_2$ _____
22. ErH_3 _____
23. $\text{Yb}_2(\text{CO}_3)_3$ _____
24. PrF_3 _____
25. LaPO_4 _____

B. Write the formulae for the following compounds

1. tungsten chloride _____
2. molybdenum (II) iodide _____
3. thulium (III) acetate _____
4. thallium (I) sulphate _____
5. thorium carbonate _____
6. palladium (II) sulphate _____
7. niobium (V) fluoride _____
8. holmium hydride _____
9. platinum (IV) chloride _____
10. erbium perchlorate _____
11. rhenium (VII) oxide _____
12. gallium nitrate _____
13. iridium (III) chloride _____
14. iridium (IV) chloride _____
15. vanadium(IV) oxide _____
16. rhodium (III) iodide _____
17. rubidium chromate _____
18. osmium (III) chloride _____
19. radium hydroxide _____
20. ruthenium (III) bromide _____
21. europium (III) oxide _____
22. cesium acetate _____
23. cerium(III) sulphate _____
24. cerium (IV) oxide _____
25. zirconium sulphate _____