

Name: _____ Per: _____

Part I: Name the following Ionic Compounds

****Is the metal special? Does it need roman numerals?****

Formula	Cation	Anion	Chemical Name
1. MgSO ₄	_____	_____	_____
2. (NH ₄) ₃ PO ₄	_____	_____	_____
3. Na ₃ PO ₄	_____	_____	_____
4. FeSO ₄	_____	_____	_____
5. CaO	_____	_____	_____
6. NaCl	_____	_____	_____
7. CoN	_____	_____	_____
8. CaSO ₄	_____	_____	_____
9. Cu(NO ₃) ₂	_____	_____	_____
10. CuNO ₃	_____	_____	_____
11. MnO	_____	_____	_____
12. AgNO ₃	_____	_____	_____
13. LiCH ₃ COO	_____	_____	_____
14. Ni ₂ O ₃	_____	_____	_____
15. Sr(NO ₃) ₂	_____	_____	_____
16. ZnCO ₃	_____	_____	_____
17. K ₃ PO ₄	_____	_____	_____
18. CuCl ₂	_____	_____	_____
19. PbO ₂	_____	_____	_____
20. Ba(OH) ₂	_____	_____	_____

Part II: Write the Chemical Formulas of the following Ionic Compounds

****Why is there roman numerals?****

Name	Cation	Anion	Formula
21. chromium (III) carbonate	_____	_____	_____
22. magnesium sulfide	_____	_____	_____
23. calcium acetate	_____	_____	_____
24. manganese (III) hydroxide	_____	_____	_____
25. ammonium hydroxide	_____	_____	_____
26. calcium chloride	_____	_____	_____
27. iron (II) nitride	_____	_____	_____
28. aluminum hydroxide	_____	_____	_____
29. tin (III) fluoride	_____	_____	_____
30. sodium nitrate	_____	_____	_____
31. mercury (II) iodide	_____	_____	_____
32. sodium carbonate	_____	_____	_____
33. lead (II) nitrate	_____	_____	_____
34. zinc (II) phosphate	_____	_____	_____
35. sodium oxide	_____	_____	_____
36. potassium nitrate	_____	_____	_____
37. copper (I) phosphide	_____	_____	_____
38. magnesium phosphate	_____	_____	_____
39. nickel (II) nitrate	_____	_____	_____
40. lead (IV) sulfate	_____	_____	_____