

NAME _____ DATE _____ PERIOD _____

IONIC COMPOUNDS PRACTICE QUIZ #1

CHOOSE THE BEST ANSWER FOR EACH OF THE FOLLOWING

1) An ion is an atom or group of atoms which has

- a) the same number of protons and electrons
- b) a different number of protons and electrons

2) A monatomic ion contains

- a) only one atom
- b) 2 or more atoms
- c) exactly 2 atoms

3) A polyatomic ion contains

- a) only one atom
- b) 2 or more atoms
- c) exactly 2 atoms

4) Cations have

- a) positive charge
- b) negative charge
- c) no charge

5) Anions have

- a) positive charge
- b) negative charge
- c) no charge

6) Ionic compounds contain

- a) cations
- b) anions
- c) both of these

7) An ionic compound which contains only 2 different elements, is called

- a) a ternary ionic compound
- b) a binary ionic compound

8) COMBINE THE FOLLOWING IONS APPROPRIATELY, AND WRITE THE FORMULA FOR THE RESULTING IONIC COMPOUND

	N^{-3}	NO_2^{-1}	$\text{Cr}_2\text{O}_7^{-2}$
Ca^{+2}			
Cr^{+3}			
NH_4^{+1}			
Sn^{+4}			

WRITE THE FORMULAS FOR THE FOLLOWING IONIC COMPOUNDS

- 9) Magnesium chloride _____
- 10) Lead (II) sulfate _____
- 11) Cobalt (III) acetate _____
- 12) Ammonium nitride _____
- 13) Tin (IV) oxalate _____
- 14) Nickel (II) phosphite _____
- 15) Barium hydroxide _____

WRITE THE NAMES FOR THE FOLLOWING IONIC COMPOUNDS

- 16) FePO_4 _____
- 17) $\text{Al}(\text{ClO})_3$ _____
- 18) MnBr_2 _____
- 19) NaCl _____
- 20) $\text{Cr}_2(\text{SO}_3)_3$ _____
- 21) $\text{Co}(\text{HCO}_3)_2$ _____
- 22) Cu_2SiO_3 _____
- 23) RbNO_3 _____

WRITE THE NAMES FOR THE FOLLOWING COVALENT COMPOUNDS

- 24) SiO_2 _____
- 25) N_2O _____
- 26) PCl_5 _____

WRITE THE FORMULAS FOR THE FOLLOWING COVALENT COMPOUNDS

- 27) Nitrogen monoxide _____
- 28) Phosphorus tribromide _____
- 29) Diphosphorus pentoxide _____