

NAME KEY DATE _____ PERIOD _____
 IONIC COMPOUNDS PRACTICE QUIZ

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}	$Cr_2O_7^{-2}$
Ca^{+2}	Ca_3N_2	$Ca(NO_2)_2$	$CaCr_2O_7$
Cr^{+3}	CrN	$Cr(NO_2)_3$	$Cr_2(Cr_2O_7)_3$
NH_4^{+1}	$(NH_4)_3N$	NH_4NO_2	$(NH_4)_2Cr_2O_7$
Sn^{+4}	Sn_3N_4	$Sn(NO_2)_4$	$Sn(Cr_2O_7)_2$