

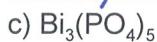
Drey

Science 9 Test Ionic and Covalent Compounds Name: _____

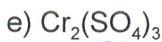
1) Write the chemical name for the following Ionic Compounds (1 mark each)



Beryllium sulfide



Bismuth (IV) phosphate



Chromium (III) sulfate



Potassium dichromate



Potassium phosphide



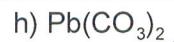
Copper (II) nitrate



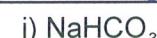
Calcium fluoride



Nickel (II) hydroxide



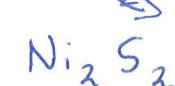
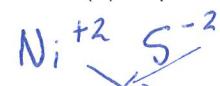
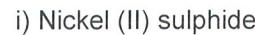
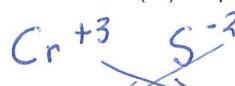
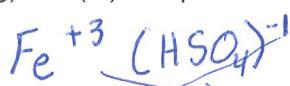
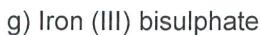
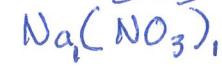
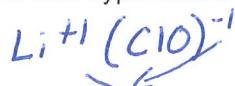
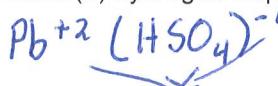
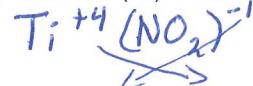
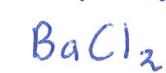
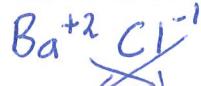
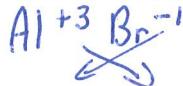
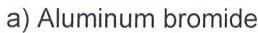
Lead (II) carbonate



Sodium hydrogen carbonate

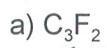
Sodium bicarbonate

2) Give formulas for the following Ionic Compounds (1 mark each) Must show work



Key

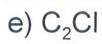
3) Write the chemical name for each of the following Covalent Compounds (1 mark each)



Tricarbon difluoride



Tetriiodine diphosphide



Dicarbon monochloride



Selenium trioxide



Dinitrogen tribromide



Diphosphorous monobromide



Iodine tetroxide



Trinitrogen monobromide



Chlorine disulfide

4) Write the chemical formula for each of the following Covalent Compounds (1 mark each)



5) Answer the following questions (1 mark each)

a) Define / explain an ionic bond?

- metal + non-metal

- cation + anion

- changes hold compound together ("+" "-")

b) Define / explain a covalent bond ?

- non-metal + non-metal

- sharing of electrons

c) What is the difference between a multivalent metal ion and a polyatomic ion ?

multivalent

- positive charge "+"

- has more than one charge

- metal

one atom

poly atomic

- more than one atom

- covalently bonded (share electrons)