

Name: \_\_\_\_\_

\_\_\_\_\_/35 Marks

## Quiz on naming of ionic compounds:

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Spelling: Chloride, fluoride, Oxide, Sulfide, Nitride, Phosphide,

Q1. (10 Marks)

#	Formula	Positive ion	Negative ion	Name of compound
1	Na <sub>2</sub> SO <sub>4</sub>			
2	CaBr <sub>2</sub>			
3	Na <sub>3</sub> N			
4	K <sub>3</sub> PO <sub>4</sub>			
5	Al <sub>2</sub> O <sub>3</sub>			
6	Sodium bromide			
7	Magnesium sulfide			
8	Ammonium phosphide			
9	Calcium phosphate			
10	Potassium nitrite			

Write the formula of the compounds formed by the combination of the following positive and negative ions. (10 Marks)

#	Cation	Anion	Formula of the compound	Name of the compound
1	Na <sup>+</sup>	SO <sub>4</sub> <sup>2-</sup>		
2	Ca <sup>2+</sup>	Br <sup>-</sup>		
3	Na <sup>+</sup>	N <sup>3-</sup>		
4	K <sup>+</sup>	PO <sub>4</sub> <sup>3-</sup>		
5	Al <sup>3+</sup>	O <sup>2-</sup>		

2. How do you know if a compound is an ionic or molecular compound? (2)

3. Do you have to specify the number of atoms present in an ionic compound? Explain (3)

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4. Write the names and symbols of all the elements that start with S and P (3)

5. Write the combining capacity (Charges or valency) of the elements in the following groups with the name and symbols of an element. (7)

Group #	1	2	13	14	15	16	17
Valency or Combining Capacity or Charge							
Element Name							
Element Symbol with charge							