

Quiz 3.2 – Ionic Names and Formulas

Name: Key

Question 1

Give the name or formula for the following ionic compounds

Name	Formula
Sodium chloride	<u>NaCl</u>
<u>Barium Nitrate</u>	$\text{Ba}(\text{NO}_3)_2$
Iron(III) oxide	<u>Fe_2O_3</u>
<u>Vanadium(V) chloride</u>	VCl_5
Calcium phosphate	<u>$\text{Ca}_3(\text{PO}_4)_2$</u>
<u>Ammonium Sulfide</u>	$(\text{NH}_4)_2\text{S}$

Question 2

Give the name for each acid and its complementary anion

Acid Name	Anion Name
Hydrochloric Acid	<u>HCl Chloride ion</u>
<u>HSO_4^- -or- H_2SO_4 Sulfuric Acid</u>	Sulfate Ion
Nitrous Acid	<u>Nitrite ion</u>
<u>Acetic acid</u>	Acetate Ion
Carbonic Acid	<u>Carbonate ion</u>