

SCIENCE (CHEMISTRY)
Worksheet – Chemical Formulae I

Name: _____ () Class: _____ Date: _____

1. How many atoms are present in one molecules of ethanoic acid (CH_3COOH)?

A 3 **B** 4 **C** 6 **D** 8 ()

2. How many are shown by the formula $\text{Al}(\text{NO}_3)_3$?

A 3 **B** 4 **C** 10 **D** 13 ()

3. Give the formulae for the following gases.

a) Chlorine _____

d) Nitrogen _____

b) Bromine _____

e) Helium _____

c) Fluorine _____

f) Argon _____

4. Give the formulae of the following compounds.

a) Sodium nitrate _____

e) Sodium Carbonate _____

b) Calcium hydroxide _____

f) Potassium Chloride _____

c) Magnesium Sulphate _____

g) Iron (II) Fluoride _____

d) Copper (II) oxide _____

h) Magnesium Chloride _____

5. Name the following compounds and identify their constituents ions.

a) KCl _____

f) CuSO_4 _____

b) ZnF_2 _____

g) Cu_2O _____

c) CaCO_3 _____

h) NH_3 _____

d) $\text{Fe}(\text{NO}_3)_3$ _____

i) SO_2 _____

e) $\text{Fe}(\text{NO}_3)_2$ _____

j) $(\text{NH}_4)_2\text{CO}_3$ _____