

Chem!stry

Name: ()

Class:

Date: / /

Questions on Qualitative Analysis – Assignment 1 – Answers

Question One:

a)

A Nitric acid, HNO_3

C Hydrogen, H_2

E Either chloride (Cl^-), bromide (Br^-) or iodide (I^-) ion

G Iron(II) hydroxide, $\text{Fe}(\text{OH})_2$

I Either iron(III), Fe^{3+} or chromium(III), Cr^{3+} ion

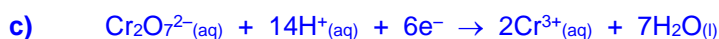
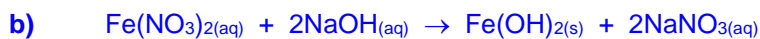
B Iron, Fe

D Iron(II) nitrate, $\text{Fe}(\text{NO}_3)_2$

F Ammonia, NH_3

H Iron(III) hydroxide, $\text{Fe}(\text{OH})_3$

J Either iron(III), Fe^{3+} or chromium(III), Cr^{3+} ion



Question Two:

a)

S Barium chloride, BaCl_2

U Silver chloride, AgCl

W Barium nitrate, $\text{Ba}(\text{NO}_3)_2$

Y Carbon dioxide, CO_2

T Sodium chloride, NaCl

V Barium carbonate, BaCO_3

X Barium sulphate, BaSO_4

Z Calcium carbonate, CaCO_3

