

IGCSE (EDEXCEL) Chemistry : Solubility 2

Q1. The boxes give a list of chemicals, draw lines to indicate if they are soluble or insoluble.

(5)

Sodium chloride

Calcium nitrate

Soluble

Silver chloride

Lead sulphate

Insoluble

Calcium Hydroxide

Ammonium bromide

Silver nitrate

Soluble

Calcium sulphate

Lead carbonate

Insoluble

Magnesium Hydroxide

Q2. Circle the insoluble compounds from the list below,

Sodium iodide

Magnesium nitrate

Silver chloride

Lead chloride

Calcium carbonate

Barium sulphate

Sodium carbonate

Calcium hydroxide

Strontium hydroxide

Barium carbonate

Potassium hydroxide

Ammonium carbonate

Potassium carbonate

Lithium carbonate

Lead nitrate

Iron (III) hydroxide

Magnesium hydroxide

Lithium chloride

Copper sulphate

Sodium hydroxide

Silver bromide

Iron sulphate

Ammonium chloride

Copper carbonate

Iron (III) chloride

Barium nitrate

Copper (II) hydroxide

Iron (II) Hydroxide

Zinc chloride

Beryllium chloride

Silver iodide

Rubidium sulphate

Q3. Complete the sentences by filling in the spaces below,

Common salts of Sodium, Potassium and Ammonium are all _____.

All Nitrates are _____.

Chlorides are _____ apart from _____ and _____ chloride.

Lead sulphate is _____, as well as _____ sulphate and _____ sulphate. All other sulphates are _____.

Carbonates are _____ apart from _____, potassium and _____.

Sodium, _____ and calcium hydroxide are _____ all

other Hydroxides are _____.

Q4. The boxes give a list of chemicals, draw lines to indicate if they are soluble or insoluble.

Strontium nitrate

Calcium sulfate

Soluble

Silver iodide

Lead chloride

Insoluble

Potassium Hydroxide

Sodium carbonate

Q5. Complete the sentences by filling in the spaces below,

Common salts of _____, _____ and _____ are all soluble .

All _____ are soluble .

_____ are soluble apart from silver and lead _____.

Lead _____ is insoluble , as well as barium _____ and calcium
_____. All other _____ are soluble .

_____ are insoluble apart from sodium , _____ and ammonium.

_____, Potassium and _____ hydroxide are soluble all other

Hydroxides are _____ .

Q6. The boxes give a list of chemicals, draw lines to indicate if they are soluble or insoluble.

Strontium chloride

Calcium carbonate

Soluble

Iron (III) chloride

Lead carbonate

Insoluble

Sodium Hydroxide

Silver bromide