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GCSE Chemistry C5 - AQA

Chemical Changes Assignment 2

Assignment Questions

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Year 2022

C5: Chemical Changes – 2

Q1: Explain in detail how we can prepare sample of copper sulfate crystals from its solution.

Q2: Write a detailed method how we can make lithium chloride from an acid and an alkali along with chemical equation.

Q3: Write down the balanced symbol equation when Barium carbonate reacts with dilute nitric acid.

Q4: What is PH scale? How it can be used to tell whether some substance is alkali or acidic in nature?

Q5: What is difference between strong and weak acid?

Q6: Ethanoic acid CH_3COOH is a weak acid whereas nitric acid HNO_3 is a strong acid. Explain in detail the reason behind these properties.

Q7: Calculate the concentration of H^+ (aq) ions in mol/dm^3 of HCl solution if PH value of HCl is 4.0 after the dilution.

Q8 : Along with state symbol describe the reaction between Lithium hydroxide and dilute sulfuric acid.