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GCSE Chemistry SC 8 Edexcel

Acids And Alkalis

Assignment Questions

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SC 8: Acids and Alkalis Assignment -1

Q1: What is the difference between acids, alkalis, and bases?

Q2: What happens when Hydrogen chloride gas is dissolved in water? Explain in terms of ions.

Q3: What is PH Scale? What does it tell us about acidity and alkalinity.

Q4: Explain how a concentrated weak acid could have the same PH and similar reactions to a dilute solution of a strong acid,

Q5: What is the difference between weak and strong acid. Give example.

Q6: Iron (II) Oxide is an insoluble base, it reacts with sulfuric acid to form Iron (II) sulfate and water.

With detailed diagrams and chemical reactions involved explain the process of production of Iron (II) sulfate crystals.

Q7: What will be the PH of a 1.0×10^{-6} mol/dm³ solution of dilute hydrochloric acid?

Q8: Methanoic acid dissociates in aqueous solution:



- Give the meaning of the symbol \rightleftharpoons in the equation.
- State why methanoic acid is described as a weak acid.