

Chemistry 12
Worksheet 4-5
Hydrolysis

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Name _____

Due Date _____

Correct and Hand In by _____

This worksheet covers material from class notes and Student Workbook pages 144-148

1. Write dissociation equations for each of the following salts, state whether cation hydrolyzes, anion hydrolyzes and whether the salt is acidic, basic or neutral. (20 marks)

a) Salt K_2CO_3 Dissociation Equation _____

Cation (Acid or Neutral) _____ Anion (Base or Neutral) _____

Is salt acidic, basic or neutral? _____

b) Salt $AlBr_3$ Dissociation Equation _____

Cation (Acid or Neutral) _____ Anion (Base or Neutral) _____

Is salt acidic, basic or neutral? _____

c) Salt NH_4ClO_4 Dissociation Equation _____

Cation (Acid or Neutral) _____ Anion (Base or Neutral) _____

Is salt acidic, basic or neutral? _____

d) Salt $CsNO_3$ Dissociation Equation _____

Cation (Acid or Neutral) _____ Anion (Base or Neutral) _____

Is salt acidic, basic or neutral? _____

e) Salt $Cr(NO_3)_3$ Dissociation Equation _____

Cation (Acid or Neutral) _____ Anion (Base or Neutral) _____

Is salt acidic, basic or neutral? _____

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