Catalysis of the Zinc-Acid Reaction

Ben Keppie

February 7, 2015

Contents

1	Abs	Abstract								
2	Pla	nning								
	2.1	Chemi	ical Ideas	4						
		2.1.1	Rate of Reactions	4						
		2.1.2	pH	4						
		2.1.3	Acids	4						
		2.1.4	Catalysts	4						
		2.1.5	Factors that affect Rate of Reaction	4						
		2.1.6	Enthalpy Level Diagrams	4						
		2.1.7	Methods of Finding Rates	4						
		2.1.8	How the Rate of Reaction is Determined Experimentally.	4						
		2.1.9	Rate Equations	4						
		2.1.10	-	4						
			Transition Metal Catalysts	4						
			D-Orbitals	4						
				_						
	2.2		Complexes and their Properties	4						
	2.2	1120110 010 11 11 11 11 11 11 11 11 11 11 1								
		2.2.1	Justification of Chosen Method	4						
	2.3	Risk A	Assessment	4						

Chapter 1

Abstract



Chapter 2

Planning

2.1	 $\gamma_{\mathbf{L}}$	em	•	1 1	.		_
Z. I	 . ;n	em	าตล		a	മ	S

- 2.1.1 Rate of Reactions
- 2.1.2 pH
- 2.1.3 Acids
- 2.1.4 Catalysts
- 2.1.5 Factors that affect Rate of Reaction
- 2.1.6 Enthalpy Level Diagrams
- 2.1.7 Methods of Finding Rates

Justification of Chosen Method

- 2.1.8 How the Rate of Reaction is Determined Experimentally
- 2.1.9 Rate Equations
- 2.1.10 Orders of Reactions
- 2.1.11 Transition Metal Catalysts
- 2.1.12 D-Orbitals

4

- 2.1.13 Complexes and their Properties
- 2.2 Methods
- 2.2.1 Justification of Chosen Method