

CONTENTS

Introduction.....	v
Chapter One	
The Study of Life.....	1
Chapter Two	
Thinking Chemically.....	11
Chapter Three	
Proteins, Lipids and Carbohydrates.....	21
Chapter Four	
Nucleic Acids and the Origin of Life.....	29
Chapter Five	
Cell Theory	37
Chapter Six	
Cell Membranes.....	49
Chapter Seven	
Cell Communication and Multicellularity.....	55
Chapter Eight	
Energetic Reactions.....	65

Chapter Nine

Cell Respiration79

Chapter Ten

Photosynthesis.....93

Chapter Eleven

Cell Division: Meiosis and Mitosis.....103

Chapter Twelve

Gene Expression.....113

Chapter Thirteen

DNA and Biotechnology.....121

Appendix

Answers to Exercises.....127

About the Author and Contributors.....162