## CONTENTS

Preface	page xi
Introduction: nature and mind	1
CHAPTER 1	
Early Years: From Hartley to Davy	
Hartley and Priestley	9
Thomas Beddoes and Erasmus Darwin	10
Thought and feeling	14
Schemes of education: to Germany	16
Humphry Davy: chemistry, 1799–1804	20
Davy's lectures: chemistry and metaphor	28
Coleridge and Davy's galvanic researches	31
CHAPTER 2	
Surgeons, Chemists, and Animal Chemists: Coleridge's	
Productive Middle Years From the Biographia Literaria to	
Aids to Reflection	
German literature and scientific preoccupations	36
Biographia Literaria	39
The composition of the Essay on Scrofula and	
the Theory of Life	42
The Essay on Scrofula: Lawrence, Abernethy, and	
the definition of life	45
The Society for Animal Chemistry	52
The Friend and Aids to Reflection	54

_			DT	10	n	2
	н	А	PT	н.	к	

Two Visions of the World: Coleridge, Natural Philosophy, and the	
Philosophy of Nature	
A world of little things	58
The active mind: science and romanticism	62
Naturphilosophie and the life of nature	64
Science, history, and principles	69
Coleridge's history of science: dynamism versus	
Anglo-Gallic mechanism	71
Coleridge on national styles of science: France,	
England, and Germany	76
Toward a new dynamism in science	79
CHAPTER 4	
Coleridge and Metascience: Approaches to Nature and Schemes	
of the Sciences	
Unity in multeity: the need for a method	82
Coleridge and empiricism	83
Experiment, ideas, and the prudens quaestio	91
The central phenomenon	93
Ideas, nature, symbols, and correspondences	95
Law, cause, theory	98
The history of nature, and the productivity of nature	103
Powers and polarity	108
The compass of nature	114
Genetic schemes of nature and hierarchies of the sciences	119
CHAPTER 5	
The Construction of the World: Genesis, Cosmology, and	
General Physics	
The construction of matter	122
Philosophical and Mosaic cosmogony	129
The book of nature and the Book of Genesis	134
The world before animal life	137
Cosmology and astronomy	139
General physics	146
Heat	147
Light and colors	149
Sound	156

0		
Cor	uer	us

2V	

## CHAPTER 6

Geology and Chemistry: The Inward Powers of Matter					
Beddoes and Darwin, Werner and Hutton	159				
Dynamic geology, Steffens, and the <i>Theory of Life</i> Geology, chemistry, and the life of nature Revolutions or uniformity?					
				Atoms and elements	171
				Productive powers and chemical substances	175
New elements for old: transmutation	179				
Affinity and combination	185				
Oxidation, combustion, and acidity	188				
Chemistry become vital	191				
Products and educts	193				
Vegetation: the nuptial garland of earth and air	194				
Nitrogen fixation: animality in vegetation					
Chemistry and the ascent of life	200				
CHAPTER 7					
Life: Crown and Culmination					
Coleridge and the doctors	201				
From irritability to dynamic physiology	202				
Organization	205				
Life actual	208				
Life as a power: problems of classification	209				
Natural history: instinct, teleology, and types	212				
The Theory of Life	215				
Conclusion	219				
Notes	222				
Index	265				