## BRIEF CONTENTS

			FOCUS 2 The First Law	
ENERGY A	First Look	xxxiii	FOCUS 12 Magnetic resonance	499
FOCUS 1	The properties of gases	XXXX XXXX	FOCUS 13 Statistical thermodynamics	543
FOCUS 2	The First Law	33	FOCUS 14 Molecular interactions	597
	The Second and Third Laws	75	FOCUS 15 Solids	655
	Physical transformations of pure	110	FOCUS 16 Molecules in motion	707
		119	FOCUS 17 Chemical kinetics	737
FOCUS 5	Simple mixtures	141	FOCUS 18 Reaction dynamics	793
	Chemical equilibrium	205	FOCUS 19 Processes at solid surfaces	835
	Quantum theory	237	(a) Enthalpy change and heat transfer	033
FOCULO 0		205	Resource section	47
	Atomic structure and spectra	305	1 Mathematical resources	878
	Molecular structure	343	2 Quantities and units	882
		343	3 Data	884
	Molecular symmetry	397	4 Character tables	910
1000510		BA 16	Index standard enthalpy changes	915
FOCUS 11	Molecular spectroscopy	427	(a) Enthalples of physical change (b) Enthalples of chemical change	