

# Contents

Preface	vii
1. The First Law of Thermodynamics	1
Theoretical Part	1
Problems	14
2. Thermochemistry	49
Theoretical Part	49
Problems	62
3. Entropy	101
Theoretical Part	101
Problems	117
4. Thermodynamic Potentials	243
Theoretical Part	243
Problems	247
Appendix A	265
The Formulations of Thermodynamic Laws	265
Appendix B	273
Units	273
Index	277