CONTENTS

Chapter I. Introduction

Chapter II. The Atomic and Molecular Theories

Chapter III. States of Matter

Chapter IV.
Molecular, Equivalent and Atomic Weights

Chapter V.
Atomic Structure, the Periodic Classification, Valency

CHAPTER XIV. GROUP IB.

COPPER, SILVER AND GOLD

CHAPTER XV. GROUP IIA.

MAGNESIUM, CALCIUM AND BARIUM

CHAPTER XVI. GROUP IIB. ZINC AND MERCURY

CHAPTER XVII. GROUP IIIB. BORON AND ALUMINIUM

CHAPTER XVIII. GROUP IVB. CARBON AND SILICON

CHAPTER XIX. GROUP IVB (CONTINUED)

TIN AND LEAD

CHAPTER XX. GROUP VB. NITROGEN

Chapter XXI. Group VB (continued). Phosphorus, Arsenic and Antimony

Chapter XXII. Group VIB. Oxygen and Sulphur

Chapter XXIII. Group VII. The Halogens

Chapter XXIV. Group VIII. Transition Series of the First Long Period

Note

Temperatures (except in a very few cases which are clearly indicated) are expressed in degrees centigrade and the "C." which designates this temperature scale is not printed after the numerical value of the temperature. For example, 15° *means* 15 *degrees centigrade.*

Pressures are expressed as millimetres of mercury printed thus: 760 mm.