

CONTENTS

Foreword	v
1. Elements known to the ancient world	3
2. Carbon and some of its compounds	69
3. Elements of the alchemists	91
4. Some eighteenth-century metals	137
5. Three important gases	177
6. Tungsten, molybdenum, uranium, chromium	241
7. Tellurium and selenium	289
8. Niobium (columbium), tantalum, vanadium	323
9. The platinum metals	385
10. Three alkali metals	433
11. Alkaline earth metals, magnesium, cadmium	479
12. Elements isolated with the aid of potassium and sodium	517
13. Some spectroscopic discoveries	591
14. Periodic system of the elements	625
15. Some elements predicted by Mendeleev	643
16. The rare earth elements	667
17. The halogen family	701
18. The noble gases	750
19. The natural radioactive elements	774
20. Discoveries by X-ray spectrum analysis	816
21. Modern Alchemy	830
List of the chemical elements	858
Chronology of element discovery	860
Index	873