

CONTENTS

Preface	vii
1. Antoine Laurent Lavoisier (1743-1794) (Father of chemistry)	1
2. John Dalton (1766-1844) (Proponent of the concept of the atom)	24
3. Humphry Davy (1778-1829) (The great discoverer and showman)	34
4. Jons Jacob Berzelius (1779-1848) (Swedish pioneer who wrote the first chemistry text book)	57
5. Michael Faraday (1791-1867) (The greatest scientist of all time)	69
6. Friedrich Wöhler (1800-1882) (The one who made the first organic compound)	96
7. August Kekule (1829-1896) (First to predict organic structures)	107
8. Dmitri Ivanovich Mendeleev (1834-1907) (Designer of the greatest table)	118
9. Jacobus Henricus van't Hoff (1852-1911) (First Nobel Laureate in Chemistry)	135
10. Emil Fischer (1852-1919) (A multi-faceted organic chemist)	146
11. Wilhelm Ostwald (1853-1932) (High priest of physical chemistry)	155
12. Svante Arrhenius (1859-1927) (Some compounds dissociate, and some cause climate change)	166

13. Alfred Werner (1866-1919) (Inorganic Kekule)	180
14. Richard Willstätter (1872-1942) (Ecstasy and Agony of Willstätter)	192
15. Gilbert Newton Lewis (1875-1946) (The 20 th century chemical genius who did not get the Prize)	202
16. Robert Robinson (1886-1975) (The quintessential organic chemist)	226
17. Christopher Kelk Ingold (1893-1970) (Founder of physical organic chemistry)	235
18. Henry Eyring (1901-1981) (A simple man with an active mind)	246
19. Linus Pauling (1901-1994) (The irrepressible scientist and crusader, with two unshared Nobel prizes)	256
20. Robert Burns Woodward (1917-1979) (Artist in organic synthesis)	284
21. Frederick Sanger (1918-2013) (A modest man with two Nobel prizes in chemistry)	299