

experiment on water 47
 on acids 234
 on nomenclature 133
Law, Boyle's 71
 Charles's 72, 73
 of combining weights 98-103
 of combination by volume 103-105
 of conservation of the elements 42
 of conservation of properties 36
 of conservation of weight 40
 of constant composition 44
 of definite proportions 44
 of Le Chatelier 206
 of multiple proportions 95-98
Lead and sulphuric acid 225
Lead chamber 228
 method 227, 228
Lead nitrate, heating of 245
 use 245
Lead oxide and chlorine water 161
Leblanc's method of making soda 262,
 263
Le Chatelier's theorem 206
Liquor ammonia 254
Lithium 259
Limestone, heating of 191
 "Lime" in kettles 193, 194
Lime-kiln 192
Lime, making of 191, 192
Limestone 270
Lime-water 179
Liquefaction of carbon dioxide 178
 of chlorine 158, 159
 of hydrogen 62
 of sulphur dioxide 220
Liquid air 30
 preparation 31
Liquid sulphur 211, 212
Litmus, action of acids and bases 21
 how produced 21
Lubricating oils 184
Lyddite 246
Lye 267

M

Manganese dioxide and hydrogen chloride 157
 and potassium chlorate 16-18
Magnesium and carbon dioxide 180
 and chlorine 159
 and hydrochloric acid 154

and nitrogen 25
 and steam 52, 53
 and sulphuric acid 225
 and water 51
 a reducer 180
Magnesium nitride 26
Magnesium oxide 11
Marsh gas (see methane) 184, 185
Mechanical mixture 37, 38, 92, 93
Mercury and magnesium 51
 and oxygen 204
 and sulphur 212
 and sulphuric acid 225
 heating in air 10, 11
Mercury oxide and hydrogen 64
 heating of 8, 9, 204
Metallurgy, use of charcoal 171
Metals and sulphuric acid 225
 action of water on 51, 52
 calcination of 3, 4
 definition of 21
Methane 184, 185
 explosion of 185
 in coal mines 185
 occurrence 184
 preparation 184
 properties 184
Methane series 183
Mineral waters 50
Mines 246
Mines, saltpetre 246
Mixtures and compounds 45
 mechanical 37
Manufacture of charcoal 171, 172
 of chlorine 164, 165, 166
 of coal-gas 187
 of common salt 150, 151
 of lime 191, 192
 of sulphuric acid 226-229
 of soap 261, 267
Molar weight 146
Mossean prepares diamonds 174, 175
Moisture a catalyst 199
Molecular formula 115
Molecular theory 91, 92, 140
Molecular weights 107, 108, 145, 146
Molecule 77, 140
Monoclinic sulphur 210
Morley's experiments 57, 58
Mortar, hardening of 192
Mother-liquors 276