

INDEX.

233

PAGE		PAGE	PAGE
properties of 181 ter..... 10 243 68 110 17 73 75 138 138 88 84 85 84 226 160	Phosphorus, red variety oxides of 203 Phosphorescence 204 Phosphorus pentoxide 202 Phosphuretted hydrogen 31 Physical changes 205 Plaster of Paris 1 Plumbago 136 Pneumatic troughs 69 Potassium chlorate 224 " preparation of oxygen from 175 " nitrate 26 " permanganate 101 139	Sulphur dioxide, preparation of 188 " properties of 189 " liquefaction 191 Sulphites, acid and normal 192 " tests for 192 Sulphuric acid 192 " " preparation 192 " " properties 193 Sulphates, common 195 " tests 196 Sulphuretted hydrogen, preparation of 196 " " properties 197 " " poisonous char- acter 199 " " tests 199 Symbols, chemical 20 Synthesis, definition of 16	188 189 191 192 192 192 193 195 196 196 197 199 199 20 16
..... 153 of 2 35 oxide 89 per in which 29 25 20 of 115	Quantivalence 218 Quicklime 84	T	Table of Atomic weights 227
..... 119 101 dete tcd. 100 l prop. 102 aration and 60 tinguished 107 110 113	Rational formulae 220 Reducing flame 220 Replacing, power 167 218	Tetrad elements 218	Temporary hardness in water 135
and pro- 1:5 228 229 25 31 39 king 28 37 perties of 42	Safety lamp 166 " matches 166 Salerasus 203 Salt, definition of 84 Scheele's green 217 Shot, arsenic added to 209 Silica 208 Silicon 213 Soap, hard and soft 213 Soda water 135 Sodium, carbonate 94 " bicarbonate 84 " chloride 84 " hydrate 177 " nitrate 34 Soluble glass 101 Stearic acid 213 Structure of flames 185 Sulphur, preparation of 159 " action of heat on 185 " allotropic modifications 186 " detection of 187	Triad elements 212	Triad elements 218
and proper- 201	Z	V	Volume, combination by 16
		W	Water, composition of 129 " density at 4°c. 132 " detection of impurities in 138 " distillation of 130 hardness of 134 impurities of 134 properties of pure 130 natural 140 product of the combustion of hydrogen 54 relation to heat 131 gas 157
		Z	Zinc, granulated 47