1. Record Nr. UNINA9910783180403321 Autore Faraday Michael <1791-1867.> Titolo Chemical History of a Candle [[electronic resource]] Pubbl/distr/stampa London, : ElecBook, 1996 **ISBN** 1-4619-1154-0 Descrizione fisica 1 online resource (99 p.) Altri autori (Persone) CrookesWilliam Candles Soggetti Chemistry Electronic books. -- local Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Description based upon print version of record. Nota di contenuto ""Michael Faraday"": ""Preface to 1877 edition"": ""CONTENTS"": ""Lecture I""; "" A candle: the flame 6""; "" Its sources 7""; "" Candle making 7""; "" Capillary attraction 12""; "" Vaporous condition of fuel 15""; "" Structure 16""; "" Mobility 18""; "" Flames can go downwards 18""; "" Brightness 19""; ""Lecture II""; "" Codensation of vaporous fluid 22""; "" Air necessary for combustion 24""; "" Gunpowder burning 25""; "" Phosphorus burning 29""; "" Capture of combustion products in a balloon 31""; "" Production of water 33""; ""Lecture III""; "" Potassium 34"" "" Products: water from the combustion 36""" Nature of water 37"": "" Cracking cast iron bottles with ice 37""; "" Water a compound 39""; "" Collapse of copper vessels by condensing steam 39""; "" Production of combustible gas using iron 41""; "" Hydrogen 44""; "" Production of

hydrogen using zinc and acid 45""; "" Comparative weights 47""; ""Lecture IV""; "" Hydorgen burns into water 50""; "" Copper plating using electricity 52""; "" Production of hydrogen from water by electricity 53""; "" The other part of water 56""; "" Oxygen 57""

"" Production of oxygen from chlorate of potassa 58""" Combustion in oxygen 60""; ""Lecture V""; "" Oxygen present in the air 64""; "" Nature of the atmosphere 66""; "" Composition of the atmosphere 67""; "" Its properties 68""; "" Weight of air 70""; "" Elasticity and compressibility of air 73""; "" Other products from the candle 74""; "" Carbonic acid 77""; "" Its properties 78""; ""Lecture VI""; "" Carbon burns with spark,

not flame 83""; "" Carbon or charcoal 84""; "" Taking carbonic acid apart 84""; "" Coal gas 86""; "" Lead pyrophorus burning 86"" "" Respiration and its analogy to the burning of a candle 91"""" Charcoal from sugar 92""; "" Conclusion 94""; ""Notes""; ""Air, its properties 68 ""; ""Air necessary for combustion 24 ""; ""Atmosphere, nature of 66 ""; ""Brightness 19 ""; ""Candle, its sources 7 ""; ""Candle making 7 ""; ""Candle, other products from 74 ""; ""Candle: the flame 6 ""; ""Capillary attraction 12 ""; ""Capture of combustion products in a balloon 31 ""; ""Carbon burns with spark, not flame 83 ""; ""Carbon or charcoal 84 ""; ""Carbonic acid 77 ""; ""Carbonic acid, its properties 78 ""

""Charcoal from sugar 92 """"Coal gas 86 ""; ""Collapse of copper vessels by condensing steam 39 ""; ""Combustion in oxygen 60 ""; ""Comparative weights 47 ""; ""Composition of the atmosphere 67 ""; ""Conclusion 94 ""; ""Condensation of vaporous fluid 22 ""; ""Copper plating using electricity 52 ""; ""Cracking cast iron bottles with ice 37 ""; ""Elasticity and compressibility of air 73 ""; ""Flames can go downwards 18 ""; ""Gunpowder burning 25 ""; ""Hydorgen burns into water 50 ""; ""Hydrogen 44 ""; ""Lead pyrophorus burning 86 ""; ""Mobility 18 ""; ""Oxygen 57 ""

""Oxygen present in the air 64 ""