



## Lecture-Notes on Chemistry for Dental Students; Including Dental Chemistry of Alloys, Amalgams, Etc., Such Portions of Organic and Physiological Chemistry as Have Practical Bearing on the Subject of Dentistry, an Inorganic Qualitative (Paperback)

By Henry Carlton Smith

Rarebooksclub.com, United States, 2012. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.This historic book may have numerous typos and missing text. Purchasers can download a free scanned copy of the original book (without typos) from the publisher. Not indexed. Not illustrated. 1906 edition. Excerpt: . in the addition of oxygen but in the withdrawal of hydrogen; thus the oxidation of methyl alcohol produces formaldehyd (CH<sub>2</sub>O) and water.  $\text{CH}_3\text{OH} + \text{O} = \text{CH}_2\text{O} + \text{H}_2\text{O}$ . Aldehyds may be considered compounds containing an H H / I alkyl radical and a distinctive group, -C;thus CHO is for O maldehyd, CH<sub>3</sub>, in acetaldehyd, etc. (compare Alcohol, page CHO 131). Formaldehyd coagulates albumen and hardens gelatine; when used as a preservative it renders the proteids tougher and less digestible. Formaldehyd polymerizes, producing the paraform or paraformaldehyd of trade, trioxymethylene, with a probable formula of (CH<sub>2</sub>O)<sub>3</sub>. It also forms one lower polymer (CH<sub>2</sub>O)<sub>2</sub> and at least one higher, formose, a substance allied to glucose. Acetaldehyd, aldehyd, CH<sub>3</sub>-CHO or C<sub>2</sub>H<sub>4</sub>O, the aldehyd from ethyl alcohol, may-be made by addition of H<sub>2</sub>SO<sub>4</sub> to a mixture of alcohol and

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