R, a few of the most simple and important divisions are as follows: —

Alcohols, primary	R ·CH₂OH	
Alcohols, secondary	R ₂ CHOH	
Alcohols, tertiary	R ₃ COH	
Aldehydes	$\mathbf{R} \cdot \mathbf{CHO}$	
Ketones	R_2CO	
Acids	RCOOH	
Esters	RCOOR	
Ethers	ROR	

By the introduction of oxygen into the molecule any complex hydrocarbon may be converted into a great number of substances, and even in simple cases such derivatives are not few. In the accompanying formulas I have gathered together the possible hydrocarbons containing three carbon atoms (excluding ring compounds), and their possible oxygen derivatives, most of which are capable of existence as substances of varying stability, many of them being in fact wellknown common substances like lactic acid, glycerine, propionic acid, propyl alcohol, two of the simplest sugars, etc.

CH_3	CH_3	CH_2	CH_3
	1	l	l
\mathbf{CH}_2	\mathbf{CH}	С	C
1	11		III
CH_3	\mathbf{CH}_2	CH_2	\mathbf{CH}