



13) Which compound is an ester? 18) Which is the general formula for an ether? 1) CH<sub>3</sub>COOH 2) CH<sub>3</sub>CHO 1) *R*—OH 2) 3) CH<sub>3</sub>COOCH<sub>3</sub> 4) CH<sub>3</sub>COCH<sub>3</sub> 14) The compound CH<sub>3</sub>CH<sub>2</sub>COOCH<sub>3</sub> is an example of 3)  $R_1 - O - R_2$ 4) 1) an ester 2) an alcohol *R*<sub>1</sub>- $R_{2}$ 3) an acid 4) a polymer 15) Given the structural formula: 19) Butanal and butanone have different chemical 0 and physical properties primarily because of Hdifferences in their 1) functional groups This compound is classified as an 2) molecular masses 3) molecular formulas 1) amide 2) amine 4) number of carbon atoms per molecule 3) aldehyde 4) alcohol 20) Atoms of which element can bond with each 16) Which class of organic compounds has other to form ring and chain structures in molecules that contain nitrogen atoms? compounds? 1) alcohol 2) amine 1) C 2) Ca 3) H 4) Na 3) ether 4) ketone 17) Which structural formula represents diethyl ether? 1) н-Ç-Ç-О-Ç-Ç-Н Н ОН Н 3) ОН - С-С-С-Н Н-С-Н Н Н Н 2) H-Ċ-4) н-с-о-с-н