## **ACID HYDROLYSIS OF TRIGLYCERIDES**

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$H_{2}C - O $ $(CH_{2})_{16}CH_{3}$ $H_{2}C - O $ $(CH_{2})_{16}CH_{3}$ $H_{2}C - O $ $(CH_{2})_{16}CH_{3}$	H-O-H H-O-H H-O-H	<ol> <li>Cut as shown.</li> <li>Tape H- to the -O to make glycerol.</li> <li>Tape -OH to C=O to make three fatty acids.</li> </ol>
(CH <sub>2</sub> ) <sub>16</sub> CH <sub>3</sub> (CH <sub>2</sub> ) <sub>16</sub> CH <sub>3</sub> (CH <sub>2</sub> ) <sub>16</sub> CH <sub>3</sub> (CH <sub>2</sub> ) <sub>16</sub> CH <sub>3</sub>	H-O-H H-O-H H-O-H	
(CH <sub>2</sub> ) <sub>16</sub> CH <sub>3</sub> (CH <sub>2</sub> ) <sub>16</sub> CH <sub>3</sub> (CH <sub>2</sub> ) <sub>16</sub> CH <sub>3</sub> (CH <sub>2</sub> ) <sub>16</sub> CH <sub>3</sub>	H-O-H H-O-H H-O-H	
(CH <sub>2</sub> ) <sub>16</sub> CH <sub>3</sub> (CH <sub>2</sub> ) <sub>16</sub> CH <sub>3</sub> (CH <sub>2</sub> ) <sub>16</sub> CH <sub>3</sub> (CH <sub>2</sub> ) <sub>16</sub> CH <sub>3</sub>	+ 3H <sub>2</sub> O →	
(CH <sub>2</sub> ) <sub>16</sub> CH <sub>3</sub> (CH <sub>2</sub> ) <sub>16</sub> CH <sub>3</sub> (CH <sub>2</sub> ) <sub>16</sub> CH <sub>3</sub>	+ 3H <sub>2</sub> O →	
(CH <sub>2</sub> ) <sub>16</sub> CH <sub>3</sub> (CH <sub>2</sub> ) <sub>14</sub> CH <sub>3</sub> (CH <sub>2</sub> ) <sub>12</sub> CH <sub>3</sub>	+ 3H <sub>2</sub> O →	