

Lipids

1. Which of the following is the molecular formula for glycerol?
 - ☐ $\text{CH}_2\text{OHCH}_2\text{CH}_2\text{OH}$
 - ☐ $\text{CH}_2\text{OHCHOHCH}_2\text{OH}$
 - ☐ $\text{CH}_2\text{OHC(OH)}_2\text{CH}_3$
 - ☐ $\text{CH}_2\text{OHCHOHCH}_2\text{COOH}$
2. Which functional groups are present in an unsaturated fatty acid?
 - ☐ carboxylic acid and ester
 - ☐ carboxylic acid and alcohol
 - ☐ carboxylic acid and alkane
 - ☐ carboxylic acid and alkene
3. What functional group is present in a triglyceride formed between glycerol and a saturated fatty acid?
 - ☐ ester
 - ☐ hydroxyl
 - ☐ carboxylic acid
 - ☐ alcohol