

Lipids are energy-rich organic, non-polar molecules. These organic compounds contain carbon, hydrogen and oxygen atoms that form a framework for the structure and function of living cells. They are insoluble in water and only soluble in nonpolar solvents as water is a polar molecule. These molecules in the human body can be synthesized in the liver and are typically found in butter, whole milk, oil, cheese, food that is fried and in some red meats too.

1. This molecule acts as molecular chaperones to assist the folding of proteins

- (a) Vitamins
- (b) Carbohydrates
- (c) Amides
- (d) Lipids

Answer: (d)

2. Which of these is not a lipid?

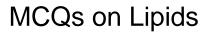
- (a) Fats
- (b) Oils
- (c) Proteins
- (d) Waxes
- Answer: (c)

3. The abundantly distributed enzyme in germinating seeds and adipocytes is

- (a) Lipase
- (b) Proteases
- (c) Cellulase
- (d) Nuclease
- Answer: (a)

4. Beta-oxidation of fatty acids occurs in

- (a) Peroxisome
- (b) Peroxisome and Mitochondria
- (c) Mitochondria
- (d) Peroxisome, Mitochindria and ER
- Answer: (C)





5. An example of ______ is Carnauba wax

- (a) Soft wax
- (b) Liquid wax
- (c) Hard wax
- (d) Archaebacterial wax

Answer: (c)

6. In fats, the number of OH groups can be expressed as

- (a) Reichert-Meissil number
- (b) Polenske number
- (c) lodine number
- (d) Acetyl number

Answer: (d)

7. Rancidity of lipids of lipid-rich foodstuff is because of

- (a) Reduction of fatty acids
- (b) Hydrogenation of unsaturated fatty acids
- (c) Dehydrogenation of saturated fatty acids
- (d) Oxidation of fatty acids
- Answer: (d)

8. This is an example of derived lipids

- (a) Terpenes
- (b) Steroids
- (c) Carotenoids
- (d) All of the above
- Answer: (d)



MCQs on Lipids

9. The degree of unsaturation of lipids can be measured as

- (a) lodine number
- (b) Saponification number
- (c) Reichert Meissel number
- (d) Polenske number

Answer: (a)

10. The specific gravity of lipid is

- (a) 1.5
- (b) 1.0
- (c) 0.8
- (d) 0.2

Answer: (c)

