



Scientific team

## Molecular biology quiz 3 -hayat batch-Dr.Ahmad salem

1. Which of the following fatty acids is considered essential and must be obtained from the diet?
  - a) Stearic acid
  - b) Oleic acid
  - c) Linoleic acid
  - d) Palmitic acid
2. Which of the following types of fatty acids has been associated with an increased risk of cardiovascular disease?
  - A )Saturated fatty acids
  - B )Monounsaturated fatty acids
  - C )Polyunsaturated fatty acids
  - D )Omega-3 fatty acids
3. Which of the following lipids is a major component of adipose tissue and serves as a source of energy storage?
  - a) Triglycerides
  - b) Cholesterol
  - c) Phospholipids
  - d) Glycolipids
4. Which of the following lipids is a branched-chain fatty acid commonly found in dairy products and has been associated with a reduced risk of cardiovascular disease?
  - a) Myristic acid
  - b) Lauric acid
  - c) Palmitic acid
  - d) Pentadecanoic acid
5. A fatty acid has 3 double bonds and 18 carbon atoms. Which of the following is the correct representation of this fatty acid
  - a 18: 1 delta 9
  - b. 18: 2 delta 9, 12
  - c. 18:3 delta 9, 12, 15
  - d. 18:3 delta 9, 10, 11
  - e. 18:3 delta 9-15



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Answers:

- 1.C
- 2.A
- 3.A
- 4.D
- 5.C