

Virtual questions : lipids , Protein Metabolism

*Animal Nutrition 1
2nd class*

Q1: Define the following words or terms :

- 1- Glycolipids 2- Fats 3- Enzymatic protein 4- Secondary protein structure
- 5- Polypeptides 6- Insulin 7- Arginine
- 8- Mixed triacylglycerol 9- Lipogenesis 10- Fatty Acid

Q2: Write briefly about the functions of the following :

- 1- Triglycerides. 2- Hormonal protein
- 3- Transport protein 4- Subcutaneous fat
- 5- Fats in desert animals 6- Fats stored in oil seeds
- 7- Adipose tissue 8- Amino acids

Q3: Draw a simple Scheme of Lipids classification?

Q4: Fill the following blanks with suitable words :

- a- Plant lipids are of two main types :.....and.....
- b- The yield of energy from the complete oxidation of fat is about..... compared with about..... from glycogen.
- c- Fats are esters ofwith.....
- d- Secondary protein structure occurs when the sequence of..... are linked by.....
- e- Amino acids are characterized by having a basic.....and.....
- f- A polypeptide is a polymer of.....
- g- Quaternary structure results when a protein consists of.....
- h- Amino acids are produced when proteins are.....by.....
- i- The microbial protein passes from the rumen and is digested in.....
- j- The lipids are.....but soluble in.....
- k- The presence of a double bond in a fatty acid molecule means that
- l- Vitamin.....,.....,.....and..... are.....in fats.

Q5: A:- write the most important functions of lipids in farm animals?

B:- write a short text about the four levels of protein structure ?