

1. Importance of cholesterol:

- (a) It builds the structure of cell membranes
- (b) It makes hormones like oestrogen, testosterone and adrenal hormones.
- (c) It helps metabolism work efficiently.
- (d) It is essential for the body to produce vitamin D.

2. Globosides contain two or more hexoses or hexosamines attached to a ceramide molecule whereas gangliosides are formed when ceramide oligosaccharides have at least one molecule of N-acetyl neuraminic acid (NANA) attached to them.

3. Methylated form of phosphatidyl ethanolamine is known as phosphatidylcholine

4. Cyclopentanoperhydrophenanthrene or phenanthrene ring.

5. Properties of phosphoglycerides:

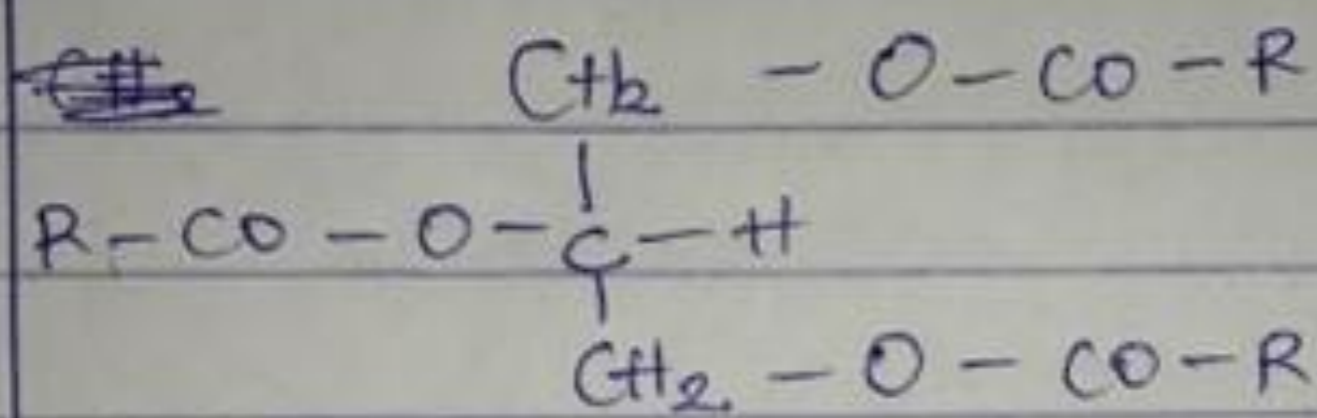
- (a) They are amphiphilic
- (b) They are amphoteric
- (c) Structural components of membranes.

6. Triacylglycerol

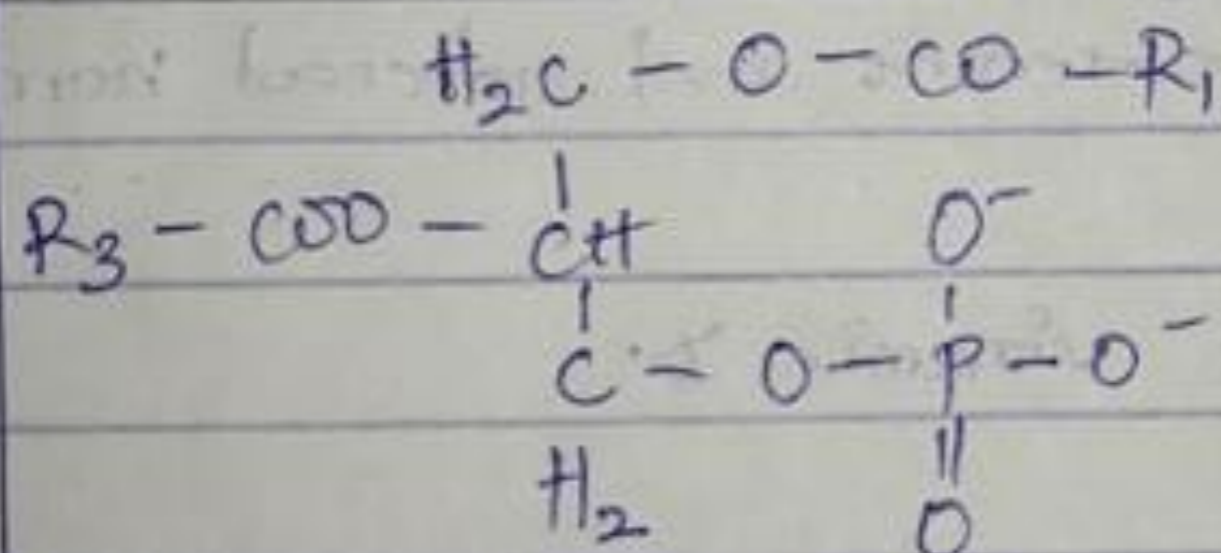
Phosphoglycerides

- | | |
|---|--|
| a. Composed of three fatty acid chains | Composed of two fatty acid chains |
| b. Act as fat storage in our body | Make up the cell membranes of cells. |
| c. When esterified they form neutral fats | When esterified they form phosphatidic acid. |

Examples



Simple triacylglycerol



phosphatidic acid