The background is a bright yellow color with several realistic water droplets of various sizes scattered across it. The droplets have highlights and shadows, giving them a three-dimensional appearance. The text is centered on the page.

LIPIDS

DR AAKRITI

FUNCTION OF LIPIDS

$1g = 9cal$

Energy Storage

ऊर्जा भंडारण

Protection

सुरक्षा

Insulation

इन्सुलेशन

Component of Cell Membrane

Hormone production

हार्मोन का उत्पादन

LIPIDS लिपिड

सरल

SIMPLE

- Fatty acids फैटी एसिड
- Glycerol ग्लिसराॅल

1 FA + Gly

1. Monoglycerides

मोनोग्लिसराॅइड

2. Diglycerides

डाईग्लिसराॅइड

3. Triglycerides

3

fat वसा

CONJUGATED

संयुग्मित

(Lipid + Non lipids)

- Phospholipid
- फॉस्फोलिपिड

Phosphate +
Lipid

DERIVED

व्युत्पन्न

- Contains no Fatty acid
- But has lipid like properties

इसमें फैटी एसिड नहीं होता है
लेकिन जैसे लिपिड गुण है

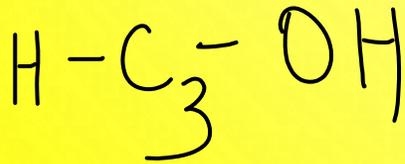
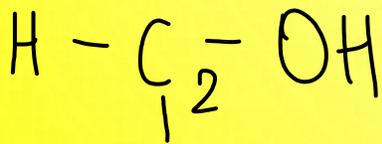
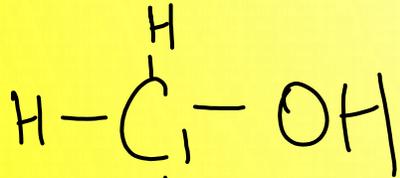
Eg. Steroids स्टेरॉयड

(derived from cholesterol)
कोलेस्ट्रॉल से उत्पन्न

Lipid

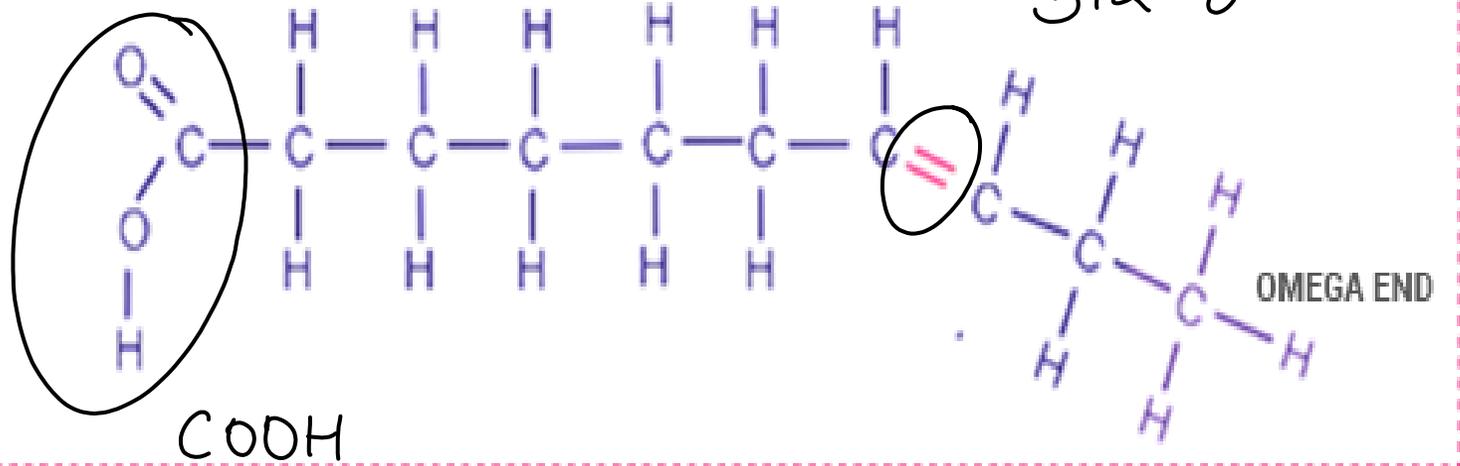
1) fatty acid

2) Glycerol



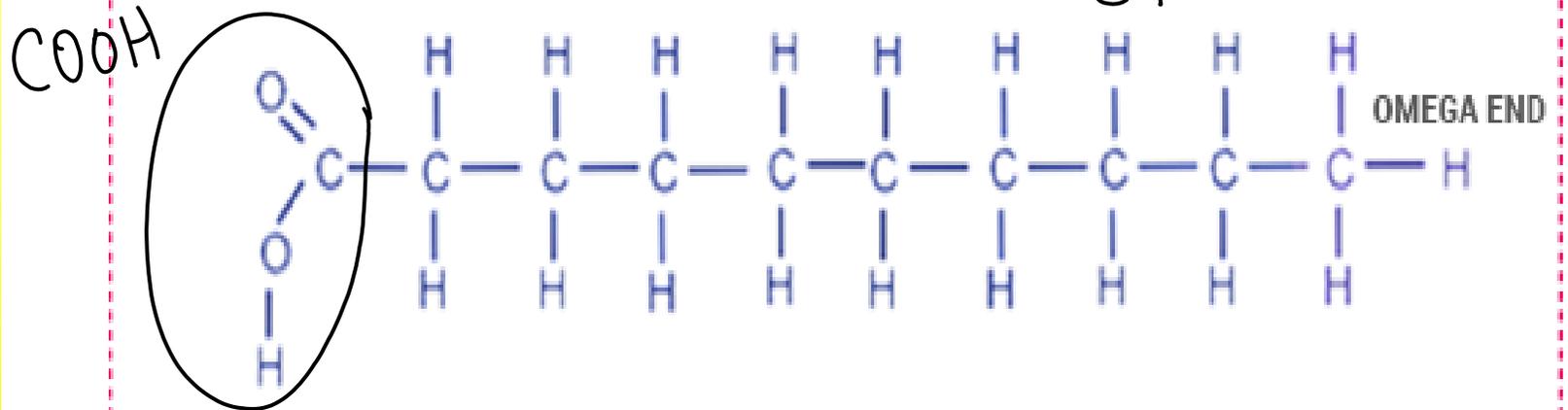
UNSATURATED FATTY ACID

असंतृप्त



SATURATED FATTY ACID

संतृप्त



FATTY ACID

सैचुरेटेड

अनसैचुरेटेड

C-C

SATURATED

UNSATURATED

C=C

संतृप्त वसा

असंतृप्त वसा

E.g.

- **Animal Fat**

पशु वसा

Mono Unsaturated fatty acid

MUFA

1 Double bond

E.g.

- **Vegetable oil**

PUFA

More than 1 Double bond

E.g.

- **Linoleic acid**
- **Linolenic acid**

Poly unsat. fatty acid