

# Notes on Lipids

Name \_\_\_\_\_

Date \_\_\_\_\_

## Review of last class

What is an *organic molecule*?

A molecule that contains chains of \_\_\_\_\_ covalently bonded together.

## Lipids

What is a *lipid*?

A \_\_\_\_\_ that is used for multiple functions within the body, including:

- Concentrated \_\_\_\_\_
  - i.e. **fatty acids** & ATP
- \_\_\_\_\_ components of cells
  - i.e. **wax** in plant cell walls, **phospholipid** bilayer of membranes
- Building blocks in \_\_\_\_\_
  - i.e. **steroids**

## Types of Lipids

### Fatty Acids

- Contain a \_\_\_\_\_ and a \_\_\_\_\_.
- Serve as \_\_\_\_\_ through metabolism to generate \_\_\_\_\_!
- Some examples of foods that contain fatty acids are...
  - \_\_\_\_\_

### Waxes

- Contain an \_\_\_\_\_ and \_\_\_\_\_.
- Provide \_\_\_\_\_ and \_\_\_\_\_ to various cells.
- Some examples of waxes are...
  - \_\_\_\_\_

### Steroids

- Are \_\_\_\_\_ structures.
- Are important in \_\_\_\_\_ and are associated with \_\_\_\_\_ like cholesterol, sex hormones, cortisone, and anabolic steroids.
- Some examples of steroids are...
  - \_\_\_\_\_

### Phospholipids

# Notes on Lipids

- Are the components of the \_\_\_\_\_.
- \_\_\_\_\_ through the membrane.

So what's the big deal?

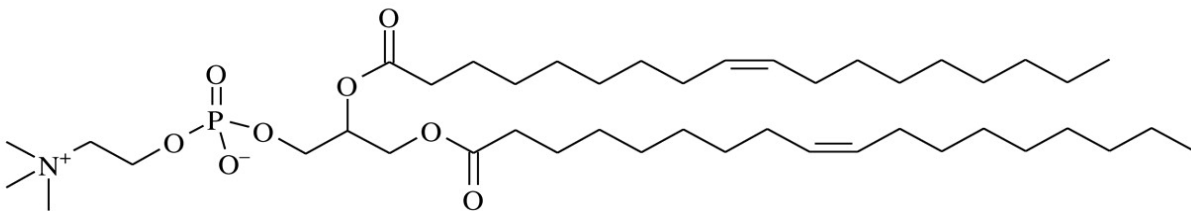
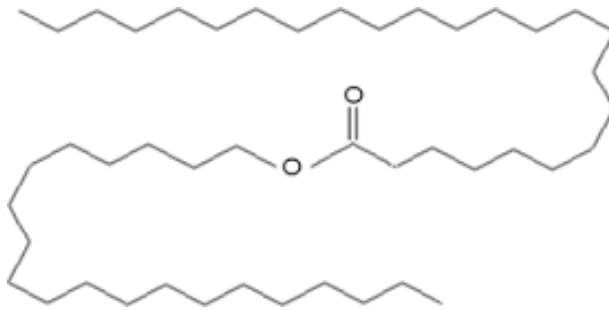
- Importance of lipids in the body:
  - Source and storage of \_\_\_\_\_
  - Component of \_\_\_\_\_ surrounding cells
  - Building blocks for many \_\_\_\_\_

## Review

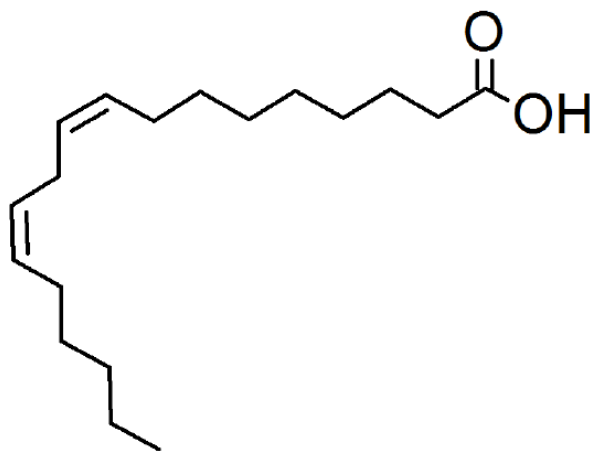
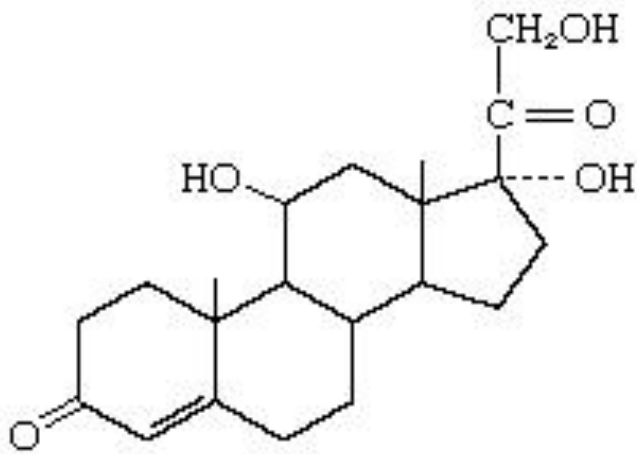
What is a lipid?

Name at least 2 examples of lipids.

Identifying different types of lipids based on chemical structure



## Notes on Lipids



Name at least 1 importance of lipids.