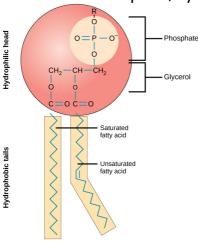
## Phospholipids

- One glycerol molecule, two fatty acid chains, one phosphate (+ one alcohol)
- **Amphipathic** 
  - Polar, hydrophilic head
  - Non-polar, hydrophobic tail



## Phospholipids: Surfactants (One layer)

- Will form a layer on the surface of water with phosphate be dead the water and the fatty acid tails sticking out of the view.

  Diagram in textbook page 56

  Components of lung surfactants

  holipids: Bilder

Phospholipids: Bilba

- Physicate-choline 'hear (Kyarophilic, polar) orientates itself towards any agueous medium.
  - o Forms hydrogen bonds with the aqueous medium
- Fatty acid 'tails' (hydrophobic, non-polar) orientate themselves away from any aqueous layer or medium.
  - Cannot form hydrogen bonds with the aqueous medium Non polar.
    - Covalent bonds on the fatty acid chain- no shared charge.
- Components of cell and organelle membranes.

