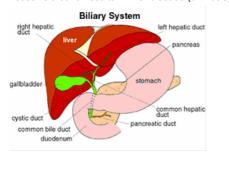
ACCESSORY ORGANS OF THE DIGESTIVE SYSTEM

<u>Liver</u>

- Synthesis of bile emulsifies fats
- Two lobes
- Regulates body metabolism
- Catalase enzymes extract toxins from blood
- Excessive alcohol results in liver disease (cirrhosis)



Gallbladder

- Muscular sac located in between liver lobes
- Stores the bile received from liver
- Sends bile through bile duct to duodenum
- Bile emulsifies (breaks down) fat and aids in lipid
- absorption

 Gallstones develop when too much water is absorbed from the bile leaving behind solids, blocking the bile duct (OUCH!!)

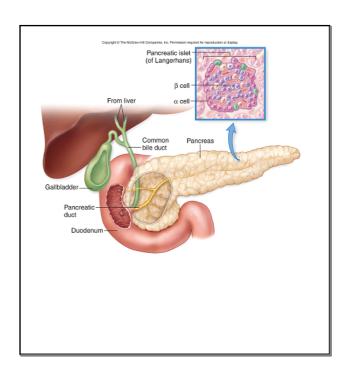
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Pancreas

- · Lies behind stomach
- About 15 cm long, leaf shaped
- Releases bicarbonate ions to neutralize chyme
- Secretes enzymes: lipase, carbohydrase, protease,

trypsin, nuclease

• Pancreatic lipase = triglycerides --> fatty acids + glycerol; pH 8



Nov 11-7:27 PM Apr 13-11:51