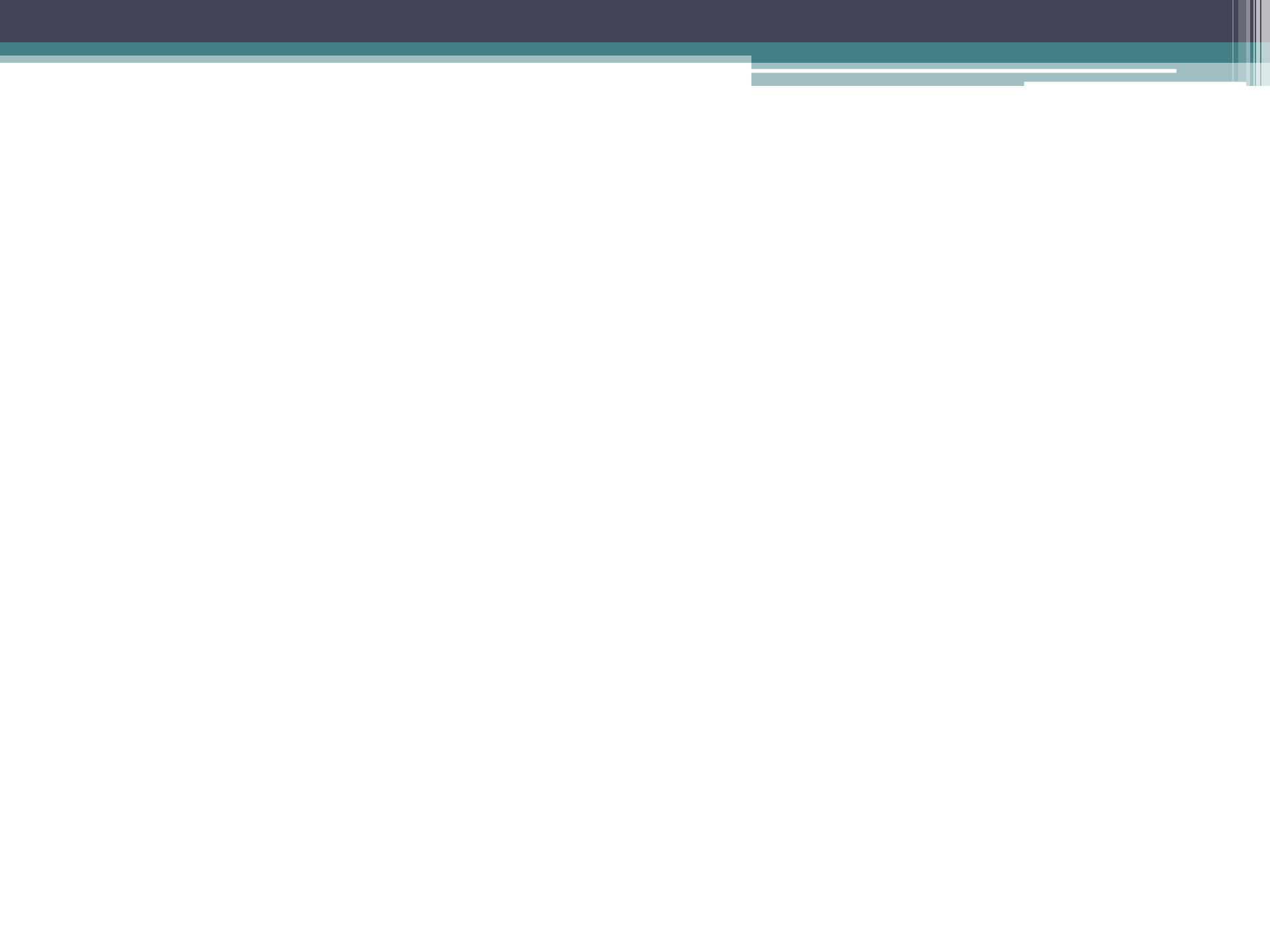


Biomolecules



Fat in the body

- When you consume fat the digestion doesn't start until it reaches the small intestine.
- The fat with bile from the gall bladder mixes with fat to make smaller fat globules.
- The pancreas secretes an enzyme that creates a hydrolysis reaction of the fat that turns the fat back into fatty acids and glycerol.



- Hydrolysis reaction – water reacts with another substance

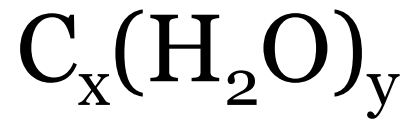
Condensation and polymerisation

What is a polymer?

A polymer is a molecular substance containing smaller recurring smaller units bonded together

Carbohydrates

- Carbohydrates are made up of the formula:

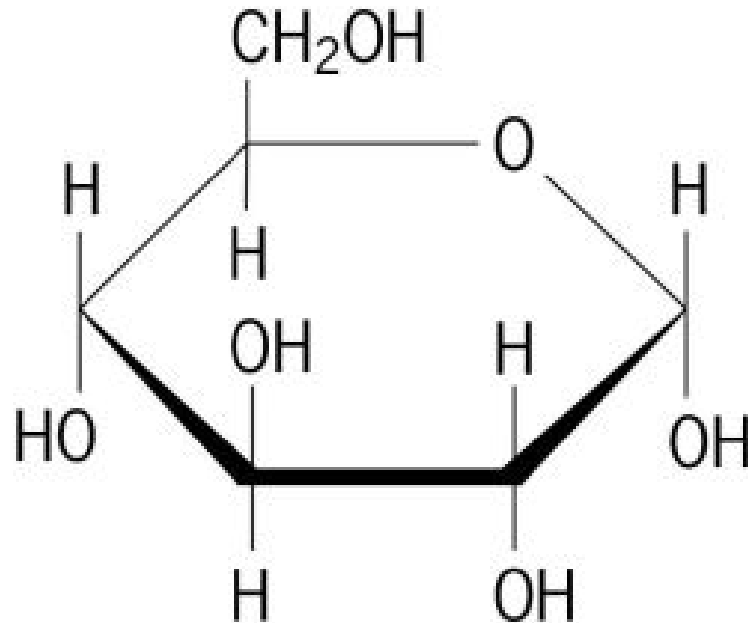


Monosaccharides

- Monosaccharides are the smallest of the carbohydrates
- Often called sugars
- What do you think the most common monosaccharide is? What is its formula?

Monosaccharides

- What monosaccharide is this?



Activity

Fill in the table – research some of the most common monosaccharides, fill in the name, formula and structure

Monosaccharide	Formula	Structure

Disaccharides

- Is a carbohydrate that is formed when two monosaccharides undergo a condensation reaction.
- Are sweet in flavour
- Can dissolve in water

Polysaccharides

- Are polymer carbohydrates.
- The three most important polysaccharides are:
 - glycogen
 - starch
 - cellulose