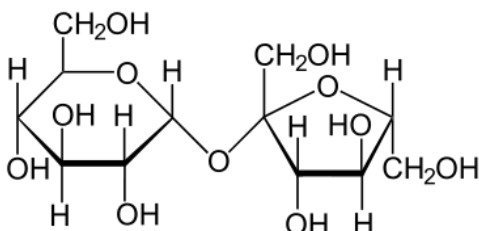


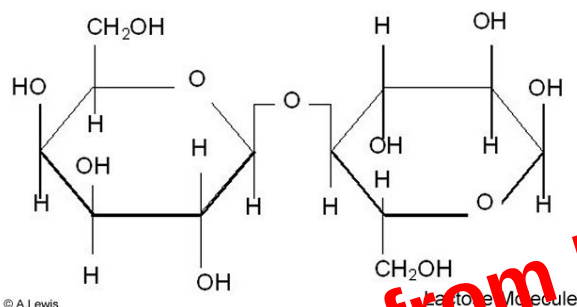
Disaccharides - The molecule formed by joining 2 simple sugars. $C_{12}H_{22}O_{11}$.

3 common disaccharides

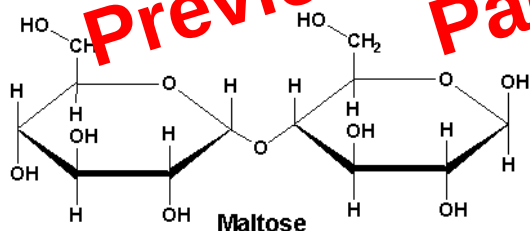
Sucrose = fructose + glucose



Lactose = galactose + glucose



Maltose = glucose + glucose



Polysaccharides - When several simple sugars are joined by dehydration synthesis

chitin - makes up the shell of insects

cellulose - makes up the structure in plants

starch - is used for short term energy storage in plants

glycogen - is used for short term animal energy storage

Polymers - Large molecules consisting of chains of repeating units

Dehydration Synthesis - When 2 simple molecules bond together to form a more complex molecule by the removal of water

Hydrolysis - The process when disaccharides and polysaccharides may be broken apart by the addition of water.