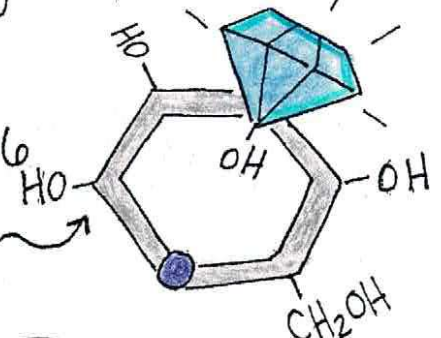
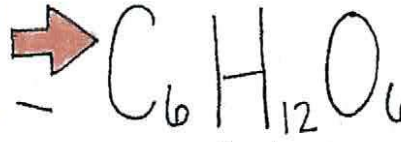


The most delicious macromolecule!

# CARBON HYDRATES

exist in Ratio **1** Carbon : **2** Hydrogen : **1** Oxygen

Ex: **GLUCOSE**

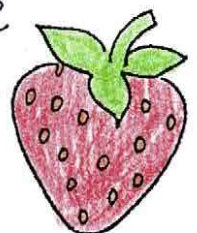
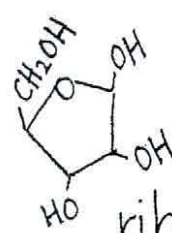


glycosidic linkage forms rings

monosaccharides

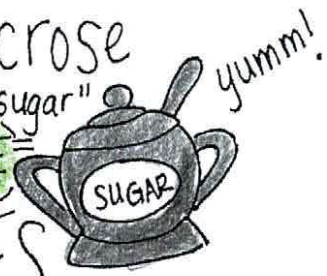
disaccharides

monomers of carbs  
Ex: fructose  
ribose, galactose  
GLUCOSE



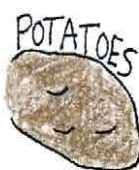
2 SUGARS  
di = two  
two monosaccharides  
Ex: sucrose

GLUCOSE + FRUCTOSE =



100's - 1,000's monomers =

## POLYSACCHARIDES



STORAGE

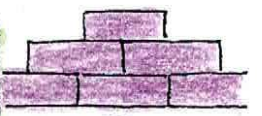
starch

STRUCTURE = FUNCTION

linkages multiple glucose monomers

STRUCTURE

linkages Cellulose



Storage in plants; digestible  
hydrolyzed as needed to provide energy for cells

glycogen

Storage in animals, muscle cells, liver cells



found in plants; not digestible by most animals

chitin

found in exoskeletons

