Name:			
Haine.	 		

Date: \_\_\_\_\_ Block:

- always contains <u>Colbon</u> and <u>hydrogen</u>

E.g. Methane (aus)

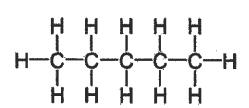


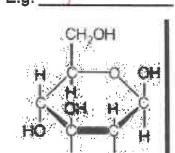


Or could include a hydrocarbon chain

Or a ring compound

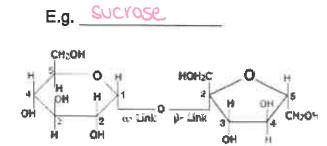






H

OF



Fructose

## There are 4 Categories -

(Carbohydrates, Lipids, Proteins and Nucleic Acids)

## Carbohydrates

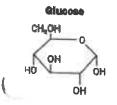
- quick and <u>short term</u> term energy storage
- glucose takes part in respiration
- glucose is stored as glycogen in the

## Polysaccharides

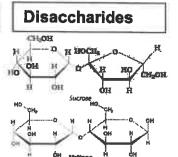
Glucose

	Colletopo	Amplese	Annyllopositis	Glycogen
Source	Flant	Plant	Plant	Atlmal -
Subunit	β-giuçene	d-Sprotise	a-glacose	or-Syricose
Bonds	1-4	1-4	1-4 and 1-6	1-4 and 1-6
Branches	No	No	Yes (-per 20 subunits)	Yee (~per 10 instruments)
Diagram	ర్జాల్-ల్లాల్	٥٥٥٥٥٥	6-5-5-5	0 0-0-0-0
Shapo	· · · · · · · · · · · · · · · · · · ·	2000	we will	彩紫
ch	traight ains o branches		Some branches	more branches

## Monosaccharides



one singular ring compound



two ring compound attached

# Lipids ong term energy storage Insulates against heat and \_\_\_\_\_oss\_\_\_\_ of heat polymer Protective \_\_\_wshian Forms cell membranes morromer Triglycerides Polyunsturated Monoursaturated Saturated Glycerol gonple No bonds fatty acid Fatty-acid double Phospholipid Bilayer bonds Choline cell membranes in the fattu acid chains

## **Proteins**

- Hemoglobin that transports Oxygen
- Keratin in hair and and
- Collagen in ligaments, cartilage, bones and tendons
- Part of muscles
- Part of enzymes that speed up \_\_\_\_\_reactions

#### **Nucleic Acids**

- Part of DNA the genetic code deoxyribonideic acid
- Part of RNA which aids in \_\_\_\_\_ synthesis ribonucleic

Contains

- Vitamin D