# **IPC Cycle Sheet**

May 4, 2020 thru May 8, 2020

Goals: **TLW** discover the importance of carbohydrates,

lipids, proteins, and nucleic acids.

Monday: Class @8:30 – 9:45 AM (1st period only)

Carbohydrates and Lipids

Homework: Do warm up #93

Class @11:10 - 12:25 AM (6th period only) Tuesday:

Carbohydrates and Lipids

Homework: Do warm up #93

No Meeting. Watch videos and do the HW. Wednesday:

> Homework: Do worksheet

> > "Carbohydrates and Lipids"

Thursday: Class @8:30 - 9:45 AM (1st period only)

**Amino Acids and Proteins** 

Homework: Do warm up #94

Friday: Class @11:10 - 12:25 AM (6th period only)

Amino Acids and Proteins

Homework: Do warm up #94

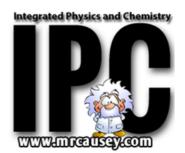
### Vocabulary

hydrocarbon alkane isomer alkene polymer organic compound alkvne monomer functional group aromatic protein carbohydrate

amino acid nucleic acid

### Know the following

how to recognize a hydrocarbon how to name hydrocarbons the difference in saturated and unsaturated synthetic and natural polymers



# **Contact Info**

www.mrcausey.com

www.darrellcausey.com/mrcausey www.yourchemcoach.com

mrcausey@mrcausey.com mrcausey58@gmail.com dcausev911@hotmail.com

A mole is an Avogadro's number of anything.

# Avoqadro's Number

Avogadro's number is the number of atoms in exactly 12.00 grams of carbon-12.

 $= 6.022 \times 10^{23}$ 

Molar mass is the mass of one mole of a substance in grams.

## **Macromolecules**

The large carbon-based molecules that make up the cellular structures.

### **Organic Chemistry**

The study of compounds made of mostly carbon and hydrogen.

# Carbohydrates

Carbohydrates are made from carbon hydrogen and oxygen atoms in a ratio of 1:2:1. (sugars)

Carbohydrates are the main source of energy for living things.

<b>Lipids</b> Lipids are mostly carbon and	Checkup #92
hydrogen.	List 2 monosaccharides.
Lipids are used to store energy and provide water proofing in cellular membranes and coverings.	l ————————————————————————————————————
Common lipids are fats, oils, waxes and steroids.	List 3 types of lipids.
Proteins Proteins consist of carbon, hydrogen, oxygen, nitrogen and sulfur.	!
Proteins are polymers of <b>amino acids</b> .	List 2 types of nucleic acids.
Nucleic Acids  Nucleic acids consist of carbon,	
hydrogen, oxygen, nitrogen and phosphorus.	What are the building blocks of proteins?
Nucleic acids are polymers of nucleotides.	L
Write the correct term for the following.	
1. natural <u>sugars</u>	
2. means <u>many units</u>	
3. large macromolecules that do not form polymers	
4. long <u>polymers of monosaccharides</u>	
5. one <u>glycerol</u> molecule and three <u>fatty acids</u>	
6. <u>large molecules</u> that make up living organisms	
8. animal starch is	
0 a double stranded nucleic acid	