## Organic Compound Worksheet

Organic Composition (
1. What are the characteristics of life?
2. What are the four basic compounds of life?  A. <u>CARBO Hydra 7CS</u> B. <u>Lipids</u> D. <u>Nucleic Acids</u>
3. What element does all living organisms possess? C + H
4. What is the difference between saturated and unsaturated fats?  AU SINGLE BOND = SATUMTED
One on mone Double BONDS - UN SH MICHER
5. Please fill in the blanks for the following.
a. Allillo Acid
b. Glucose + Fructose → Suchos E
c. Glucose + GALACZOSE -> Lactose
d Colucise + Glucose -> Maltose
e. Glycerol + F.A. + F.H. + F.H Lipia (Fai)
f Monomer + DIMEN > POLYMEN
CANCORD + PHOSPHATE + 2 Fatty Acids > PHOSPHOCIPIO
+ Monosaccharide + Monosaccharide + Monosaccharide
i. Nucleotide + Nucleo712 + Nucleo7180 > Triplet
$ADP+P \rightarrow A7P$
k. PHOSPHATE + BASE + Pentose Sugar → Nucleotide
6. What are the four bases of DNA? $A$ , $C$ , $C$
7 What is the name of the energy molecule used in animal cells? 17
8. When energy is released during a reaction, it is considered what type of reaction?
EXER GONIC
9. How many different types of bases are there in DNA?

23. In what compound would you find peptide bonds? Proteins

25. Name two things that will destroy a protein. TEMP + P/+

26. How can scientists account for the millions of proteins there are?

A.A. placed in Different onjus

27. Many scientists say that DNA is the universal code of life. Explain what this

24. How many amino acids are there? 20

statement means. GENETIC Code