

Sci Number

**Pg 2: Carbon Project Book Assignment Rubric:** Please complete with parent!  
**This book is Due: Monday: April 17th BEFORE SCHOOL by 7:30am ALL CLASSES**  
**Self Grading Sheet : Be sure to complete this ACCURATELY. It is worth 5pts**  
**ALL writing** is to be your OWN words, **TYPE & GLUE** your writing on this booklet.

**Pg 1: Your front cover 20 pts: \_\_\_/your score \_\_\_/my score**

Give your Carbon Bk a name 5 pts\_\_\_ / Downloaded some carbon art in the middle. 5 pts\_\_\_  
Write your FULL name/ period: **Have your parent sign validating it is complete!** 10 pts\_\_\_

**Pg 2: COMPLETE this Self grading sheet:** use this rubric 5 pts: \_\_\_/your score \_\_\_/my score

**Pg 3: Introduction total points for this page: 15 pts: \_\_\_/your score \_\_\_/my score**

Hand Draw a valence electron CARBON the backbone of organic compounds. 5pts\_\_\_  
**2 Additional Paragraphs:** Explain why carbon is the backbone of organic chemistry & how it forms such long chained bonds (10 sentences MINIMUM):10 pts:\_\_\_

**Pg 4&5: Lipids: total points for this section: 30 pts: \_\_\_/your score \_\_\_/my score**

**Hand Draw** the basic line structure of lipids (note: this is NOT the FORMULA) : 5 pts: \_\_\_  
Show a saturated & unsaturated fat structure (note: these are NOT FORMULAS) 5 pts: \_\_\_

**Download & glue:** 3-4 photos of products that ARE lipids that we use:

write 2 sentences below the art explaining why they are lipids 5 pts: \_\_\_

**2 Additional Paragraphs:** What are lipids? What elements are they made of and in what ratio are their elements? Where are lipids found in the body? What are they used for? What is the difference between a saturated and an unsaturated fat? 15 pts: \_\_\_ (10 sentences MINIMUM)

**Pg 6&7: Carbohydrates: total points for this section: 55: \_\_\_/your score \_\_\_/my score**

**Hand Draw** the basic line structure of carbohydrates: (NOT the FORMULA) 5 pts: \_\_\_

**Download/glue** line structures: a monosaccharide, disaccharide & polysaccharide. 5 pts: \_\_\_

**1 TYPED Paragraph:** explain their mon/di/poly differences 5 sentences Minimum 10 pts:\_\_\_

**Download** 5 photos of "complex/produced" carbohydrates that we use/eat. 5 pts:\_\_\_

**1 TYPED Paragraph:** use the art & explain why they are considered carbohydrates 10 pts: \_\_\_

**Download** 3 "natural" carbohydrate photos that we find in nature. **NOT man made.** 5 pts: \_\_\_

**2 Additional Paragraphs** includes: What are carbohydrates & what elements make them up?

What is a monomer? What is a carbohydrate monomer and its formula? Where carbohydrates used in the body?

**10 sentences /8 words ea MINIMUM) 15pts:\_\_\_**

**Pg:8,9 Proteins: total points for this section: 35: \_\_\_/your score \_\_\_/my score**

**Hand Draw** the basic line structure of a protein (NOT FORMULA-shown in class) 5 pts: **Download** 5-7 photos of products that ARE proteins that we use **PLUS...** Write 2 sentences explaining why these photos are considered proteins :10 pts:\_\_\_

**Download ALL the Amino Acid structures (all 20) (DO NOT HAND DRAW)** :5 pts: \_\_\_

**2 Additional Paragraphs** includes: What are the monomers of proteins? What elements make up proteins? Where we acquire proteins? Where they are proteins found in the body? What they are used for? **10 sentences /8 words ea MINIMUM:15pts:\_\_\_**

**Pg10 &11: DNA & Proteins total points for this section: 25: \_\_\_/your score \_\_\_/my score**

**Download the structure of DNA-LABEL PLUS explain/show** how the bonding is formed between the nitrogen bases:10pts:\_\_\_ **2 Additional Paragraphs:** Explain what protein synthesis is and how it involves DNA. What are the 4 nitrogen bases involved in DNA, and how do they bond? 15pts: \_\_\_

**Pg12:Bibliography(6 sources minimum)** includes: Title of article and http website for each **Google** is NOT a source! (you may use EasyBib.com )15 pts:\_\_\_

**Overall Neatness: (12 pt basic font/1.5 spacing) 20 pts: \_\_\_your score \_\_\_my score**

**Total pts: 215 pts: /\_\_\_your score \_\_\_/my score**

**Pg 1: Your front cover 20pts: \_\_\_**

Give your Carbon Book a name 5 pts\_\_\_  
Put some carbon art in the middle 5 pts\_\_\_

Write your FULL name, and period on the lines to the left (-25 pts if name & sci number are missing)

Have your parent sign the cover, validating that it is complete! 10 pts\_\_\_

Name: \_\_\_\_\_

Pd \_\_\_\_\_ Sci # \_\_\_\_\_

Parent Signature: \_\_\_\_\_

**Pg 3: Introduction 15 pts: \_\_\_/your score \_\_\_/my score**

Hand Draw a valence electron CARBON the backbone of organic compounds. 5pts \_\_\_

**2 Additional TYPED & glued Paragraphs:** Explain why carbon is the backbone of organic chemistry & how it forms such long chained bonds (10 sentences MINIMUM):10 pts: \_\_\_

**Pg 4: Lipids: total pts for this section: 30 pts: \_\_\_/your score \_\_\_/my score**

**Hand Draw** the basic line **structure** of lipids (**note: this is NOT the FORMULA**) 5 pts: \_\_\_

**Hand Draw** a saturated & unsaturated fat structure NOT FORMULAS-use class notes! 5 pts: \_\_\_

**Download** & glue: 4 photos of products that **ARE** lipids &

**TYPE 2 sentences** and place below the art explaining why they are lipids 5 pts: \_\_\_

**Pg 5: Lipids:**

**2 written Paragraphs includes:** What are lipids? What elements are they made of and in what ratio are their elements? Where are lipids found in the body? What are they used for? What is the difference between a saturated and an unsaturated fat  
**(10 Typed sentences MINIMUM, 7-8 words each MINIMUM)** 15 pts: \_\_\_\_

**Pg 6: Carbohydrates:**

**Total points for pg 6&7: 55: \_\_\_\_/your score \_\_\_\_/my score**  
**Hand Draw** the basic line structure of carbohydrates: (NOT the FORMULA) 5 pts: \_\_\_\_  
**Download/glue** line structures: a monosaccharide, disaccharide & polysaccharide. 5 pts: \_\_\_\_  
**1 TYPED Paragraph:** explain their mon/di/poly differences 5 sentences Minimum 10 pts: \_\_\_\_  
**Download** 5 photos of "complex/produced" carbohydrates that we use/eat. 5 pts \_\_\_\_  
**1 TYPED Paragraph:** use the art & explain why they are considered carbohydrates 10 pts: \_\_\_\_

**Pg 7: Carbohydrates:**

Download 3 "natural" carbohydrate photos that we find in nature. **NOT man made.** 5 pts: \_\_\_

**2 Additional Paragraphs** includes: What are carbohydrates & what elements make them up?

What is a monomer? What is a carbohydrate monomer and its formula? Where carbohydrates used in the body? **10 sentences Typed /8 words ea MINIMUM)** 15pts: \_\_\_

**Pg:8,9 Proteins:**

**total points for this section: 35: \_\_\_/your score \_\_\_/my score**

**Hand Draw** the basic line **structure** of a protein (NOT FORMULA-shown in class) 5 pts: \_\_\_

Download 5-7 photos of **products** that **ARE** proteins that we use

**PLUS... Type** 2 sentences explaining why these photos are considered proteins :10 pts: \_\_\_

**Pg:9 Proteins:**

**Download ALL the Amino Acid structures (all 20) (DO NOT HAND DRAW) :** 5 pts: \_\_\_\_

**2 Additional Paragraphs** include: What are the monomers of proteins? What elements make up proteins? Where we acquire proteins? Where they are proteins found in the body? What they are used for? **10 TYPED sentences /8 words ea MINIMUM:** 15pts: \_\_\_\_

**Pg 10&11: DNA & Proteins**

**total points for this section: 25: \_\_\_\_/your score \_\_\_\_/my score**

**Download the structure of DNA-LABEL**

**PLUS explain/show** how the bonding is formed between the nitrogen bases: 10pts: \_\_\_\_

**Pg 10&11: DNA & Proteins**

**2 TYPED Paragraphs:** Explain what protein synthesis is and how it involves DNA.  
What are the 4 nitrogen bases involved in DNA, and how do they bond? 15 pts: \_\_\_\_

**Pg 12: Bibliography**

(6 sources minimum) includes:

Title of article and http website for each. **Google is NOT a source- what you find THROUGH a Google search is! (you may use EasyBib.com )**

**Type & Paste down: 15 pts: \_\_\_\_**