

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: ____