

Honors Biology Summer Assignment 2021



As your teacher, I expect my Honors students to be prepared and well behaved during class so that I can concentrate on teaching and help you get the most out of this course. If you come to class eager to learn, focused and prepared, I can promise that you will learn a great deal about Biology and have a good time in the process.

To complete this assignment, you may use ANY resource that you wish. You may even collaborate with each other but I do not want to see identical work! Students with plagiarized or copied work will automatically receive a ZERO. It is called Honors Biology for a reason. If you are copying work, you are not very honorable.

Feel free to contact us with any questions (lconturs@millerplace.k12.ny.us or Rskolnic@millerplace.k12.ny.us) but please do not worry if we don't respond right away. We may not check my email everyday . Please be patient and we will respond shortly.

The Assignment is due and you will be tested on it on Friday September 3, 2021- NO EXCEPTIONS. It will count as a 100 point assessment.

Assignment 1: Introduction letter

Your first assignment is to successfully send me a formal letter of introduction via Email. Please read the guidelines below and submit your letter PRIOR to the first day of class. Use clearly written, full sentences. Do not abbreviate words like you are texting to a friend. Use spell check! This is a professional communication like you would have with a college professor, so let's practice for your rapidly nearing future!

1. Address it to me: lconturs@millerplace.k12.ny.us or

Rskolnic@millerplace.k12.ny.us . If you are unsure of which teacher you have, send it to either address and we will sort it out on our end.

2. Make the Subject: "Honors Bio: Introduction to {your name}" (Do not include the quote marks or the brackets, just your name)

3. Begin the letter with a formal salutation, like "Dear Mrs. Contursi" or "Dear Dr. Skolnick. Again, if you are unsure of your teacher just address it "Dear Biology Teacher".

4. Now introduce yourself (your name) and tell me a little bit about yourself, like:

- What do you like to do (hobbies, sports, music, interests, etc.)?
- Do you have a job?
 - Do you drink coffee or have some other favorite drink?
- Tell me a little bit about your family (Mom? Dad? Guardian? Siblings? Pets?)
- What are your plans for the future/next year/after graduation/career goal?
- What was the last book you read for fun?
- What are your strengths and weaknesses as a student?
 - Tell me something about yourself that you are proud of.
 - What are your greatest concerns about taking Honors Biology?
- What other time commitments will you have this year in addition to Honors Biology?
- Was there anything that you liked about your last science class (ex. Physical Science)?
- Is there anything else you would like me to know about you?

6. End the e-mail with a formal closing such as "cordially", "Sincerely", "Warm regards" and add your name.

Assignment 2: Root words

Look up the meaning of each prefix or suffix and give an example of a word in which they are used

Prefix/suffix	Meaning	Example
a-		
Bio-		
-ology		
De-		
in-		
duct		
ac/ad-		
-ate		
cata-		
calor-		
co-		
iso-		
di-		
hydro-		
hyper-		
hypo-		
macr-		
mono-		
phag-		
sacchar-		
solv-		
-stasis		
tri-		

Assignment 3: Biology Vocabulary for Unit 1

Create flash cards and definitions for the following terms:

Proton

Neutron

Electron

Ionic Bonding

Covalent Bonding

Hydrogen Bonding

Polarity

Solvent

Density

Cohesion

Adhesion

Acid

Base

Hydroxyl

Carboxyl

Amino

Phosphate

Dehydration Synthesis

Hydrolysis

Assignment 4: Plagiarism

Watch the following video on Plagiarism and write a short summary on the 5 ways to avoid it.

“How to avoid Plagiarism in 5 easy steps”

<https://www.youtube.com/watch?v=WV2-cmi19sg&t=16s>

Assignment 5: Intro to our first unit- Biomolecules.

Watch the following video and take notes. You must hand your notes in with this packet.

“Biomolecules (updated)”

<https://www.youtube.com/watch?v=YO244P1e9QM&t=428s>

Assignment 5: Fill out the following table

Element	Structure	Function	How does Body Acquire
Carbon			
Oxygen			
Nitrogen			
Hydrogen			
Macro Molecule	Structure	Function	How does Body Acquire
Carbohydrates			
Proteins			
Lipid			
Nucleic Acids			

