AP BIOLOGY SUMMER ASSIGNMENT

Hello Scholars,

Congratulations on your acceptance into AP Biology! I have heard great things about the class of 2019, and I am excited to work with you next fall!

The skills and content you have learned this past year in Pre-AP Biology will be critical to your success next year. The purpose of your summer assignment is to 1) review some of this material, 2) show you that AP Biology is both challenging and fun, and 3) help me get to know you better. Your summer assignment is a **biological scavenger hunt.** Here's how it works:

1. Find **real examples** of the biological terms listed on the next page.
2. Take a **selfie** with each example.
3. Compile all of the pictures, one picture per slide, in **Google slides, Google docs, etc**.
4. Below each picture, write a **caption** explaining how the picture is an example.
5. Make sure your caption is **accurate** from a **biological** perspective.
    a. Biologically accurate caption: *This banana is organic because it contains the elements carbon and hydrogen.*
    b. Biologically inaccurate caption: *This pizza is organic because it came from the organic section of the supermarket.*
6. Name the file ***AP Biology Scavenger Hunt First Last***.
7. Share your presentation with me by **the first day of school**.
8. You may work in **small groups** (up to 4), but all members must be in all photos.
9. You are required to find **15** of the terms listed.
10. The same picture may NOT be used for multiple terms.

Important: Do NOT throw away your Biology notebook from this past year. This notebook will be a critical resource for your summer assignment and senior year.

If you have questions, please feel free to contact me now or throughout the summer via phone (917-363-7333) or e-mail (annejohnson@achievementfirst.org).

Best,
Ms. Johnson

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- ❏ Adaptation
- ❏ Algae
- ❏ Abiotic
- ❏ Biotic
- ❏ Autotroph
- ❏ Heterotroph
- ❏ Primary consumer
- ❏ Producer
- ❏ Omnivore
- ❏ Carnivore
- ❏ Disturbance
- ❏ Eutrophication
- ❏ Natural selection
- ❏ Phenotype
- ❏ Decomposer
- ❏ Eukaryote
- ❏ Organic
- ❏ Inorganic
- ❏ Chlorophyll
- ❏ Carbohydrate
- ❏ Protein
- ❏ Lipid
- ❏ Pioneer species
- ❏ Keystone species
- ❏ Diffusion
- ❏ Hypertonic solution
- ❏ Competition
- ❏ Secondary consumer
- ❏ Invasive species
- ❏ Mutualism
- ❏ Population
- ❏ Community
- ❏ Homeostasis
- ❏ Variation
- ❏ Homologous structures
- ❏ Invertebrate
- ❏ Genetically modified organism
- ❏ Courtship
- ❏ Geographic barrier
- ❏ Hypotonic solution
- ❏ Selecting agent
- ❏ Niche

Google Slide Example:

*This tree is an **autotroph** because it makes its own food through photosynthesis.*