

# Fulton Science Academy Private School

## AP Biology Summer Assignment

Welcome to AP Biology! This course is designed to be the equivalent of a two-semester introductory biology course usually taken in the first year of college. In other words, it's a little like drinking from a fire hydrant. It will be a rewarding experience, but as with most things that are, it will also be challenging.

You will create a PowerPoint Presentation with the following criteria:

### Slide 1:

- AP Biology Summer Assignment
- Name
- email address

### Slides 2-26:

Each slide must contain the following items:

- Vocabulary Term (slide title)
- Original photo with proof
- Explanation of term in your own words

### Terms to be used in the following order:

1. biotic
2. abiotic
3. autotroph
4. heterotroph
5. decomposer
6. *Genus and species*
7. organism
8. population
9. community
10. ecosystem
11. habitat
12. niche
13. adaptation
14. interaction
15. phenotype
16. dominant trait
17. recessive trait
18. codominance
19. incomplete dominance
20. diffusion
21. osmosis
22. asymmetry
23. bilateral symmetry
24. radial symmetry
25. experiment
26. monomer
27. polymer
28. acid
29. base
30. lipid
31. carbohydrate
32. protein
33. aquatic organism
34. Genetically Modified Organism
35. experiment
36. independent variable
37. dependent variable
38. DNA
39. renewable resource
40. nonrenewable resource

Your photos must be **original**. You need to place a card with your student identification number and the school's crest in clear view of each photo. I included my Georgia High School Association card in each photo. You may only use your photo and example once and once only. For example, you may use an original photo of a red rose for one slide and a yellow sunflower for another slide. These are both examples of plants, but they are different photos.

The AP Biology Summer Assignment needs to be submitted to me by email no later than **08-07-18**. My summer email address is **skarp@fultonscienceacademy.org**. The AP Biology Summer Assignment will count as your first test grade. Each slide is worth two points for a total of one-hundred points. If you do not complete the summer assignment by the due date, you will not be allowed to take AP Biology this school year. If you have any questions, please feel free to email me.

Sincerely,

Sheldon Karp