AP Biology Summer Assignment
2020-2021 School Year
Ursuline High School
Miss Raab

AP Biology is an intense and time consuming course following the curriculum of the College Board. There is a great deal of material that will be covered over the course of the year in preparation for the national AP exam in May. You must be prepared to do the work for this class in a timely manner. Plan ahead and set aside time to complete this work. If you cannot meet the deadlines of this assignment, you may want to reconsider taking this course.

Part 1: I use Google Classroom throughout the school year for announcements and to post notes or assignments, but I may need to contact you through email. **So, your first assignment is to send me an email by July 13th, 2020.** My email address is sraab@youngstowndiocese.org. In the email, please do the following:

- Use your school @uhs.doyocs.org account. There will be a number of websites we will use for a variety of uses this school year. This email address should be the email address you use for all websites this year.

- In the subject line, put **your name-AP Biology**
  (ex. Miss Raab -AP Biology)

- In the body of the email, answer ALL of the following, in numerical order. They do not have to be in complete sentences, unless requested. ALL questions are mandatory. No exceptions.

  1. Your name – first and last. Name you preferred to be called.
  2. List of AP and Honors Classes you will be taking during the 2020-2021 academic year.
  3. Will you have a job during the school year? If so, where?
  4. In what clubs and/or extracurricular activities will you participate this coming school year?
  5. What topics in freshmen biology did you enjoy the most? The least?
  6. Explain in a sentence or two why have you chosen to take AP Biology.
  7. What concerns do you have about taking AP Biology?
  8. What are your college plans after graduation?
  9. Write a statement confirming that you have requested acceptance to the AP Biology class on Quizlet to access the summer assignment. (See Part 2.)
  10. Use the code poqb7jk to join the AP Biology Google Classroom page. Write a statement confirming that you have joined the Google Classroom page.
  11. We will be using Edpuzzles as part of the summer assignment and throughout the school year. Write a statement confirming you understand there will be assigned Edpuzzles posted in Google Classroom you are required to complete. (See Part 5.)

Part 2: Sign in to Quizlet and do a search for the class "AP Biology - UHS - 2021" and request to join the class. I will then approve you in order to give you access to lists I will post throughout the school year.

Part 3: On the last page of this packet is a list of terms/phrases you will be tested on in class within the first two-three weeks of class. I have created a set on Quizlet if you would like to use it to study. The test will require application of the terms, not simple memorization of the definitions. You will receive more information about this assessment at the start of the school year.

Part 4: Textbook Assignment - Read and take HANDWRITTEN notes on Chapters 3-6, and 8 of the textbook. You will be given assessments on these chapters at the beginning of the year so make sure they are complete. (Typed notes will not be accepted and you will not be permitted to use any typed notes for any assessments in class.)

Part 5: Edpuzzle Assignment – I've reduced the number of chapters you need to read over the summer from previous years, but you will be expected to complete Edpuzzles that cover that material. These are videos you will be required to watch and answer posted questions as you move through the video. Links to the Edpuzzles, and the information about accessing them, will be found on the AP Biology Google Classroom page you will access this summer. (The information for accessing the Google Classroom page is located in part 1 of this summer assignment.)

Terms for Part 3 of Summer Assignment:

1. adaptation of an animal
2. adaptation of a plant
3. abscisic acid
4. actin
5. amniotic egg
6. amylase
7. angiosperm
8. animal that has a segmented body
9. annelid
10. anther & filament of stamen
11. arthropod
12. archaebacteria
13. autotroph
14. auxin producing area of a plant
15. basidiomycete
16. Batesian mimicry
17. biological magnification
18. bryophyte
19. C 4 plant
20. Calvin cycle
21. carbohydrate -fibrous
22. cambium
23. cellulose
24. chitin
25. chlorophyta
26. cnidarian
27. coelomate
28. conifer leaf
29. commensalism
30. connective tissue
31. cuticle layer of a plant
32. deciduous leaf
33. deuterostome
34. dicot plant with flower & leaf
35. diploid chromosome number
36. echinoderm
37. ectotherm
38. endosperm
39. endotherm
40. enzyme
41. epithelial tissue
42. ethylene
43. eubacteria
44. eukaryote
45. exoskeleton
46. fermentation
47. flower ovary
48. frond
49. fruit – dry with seed
50. fruit – fleshy with seed
51. gametophyte
52. gastropod
53. genetically modified organism
54. gibberellins
55. glycogen
56. gymnosperm cone
57. haploid chromosome number
58. heartwood
59. hermaphrodite
60. insect
61. K-strategist
62. keratin
63. leaf – gymnosperm
64. lepidoptera
65. lichen
66. lignin
67. lipid used for energy storage
68. littoral zone organism
69. long-day plant
70. meristem
71. modified leaf of a plant
72. modified root of a plant
73. modified stem of a plant
74. monocot plant with flower & leaf
75. muscle fiber – striated
76. mutualism
77. mycelium
78. mycorrhizae
79. myosin
80. nematode
81. niche
82. nymph stage of an insect
83. parasite
84. parenchyma cells
85. phloem
86. pine cone – female
87. platyhelminthes
88. pollen
89. pollinator
90. porifera
91. prokaryote
92. protein – fibrous
93. protein – globular
94. protostome
95. pteridophyte
96. r-strategist
97. radial symmetry
98. rhizome
99. scale from animal with two-chambered heart
100. spore
101. sporophyte
102. stem – herbaceous
103. stem – woody
104. stigma & style of carpel
105. tendril of a plant
106. thorn of a plant
107. unicellular organism
108. vascular plant tissue
109. xerophyte
110. xylem