

Summer Scavenger Hunt

Instructions

Welcome to AP Biology, and the AP Biology Summer Scavenger Hunt!

On the next page is a list of 50 biological terms and concepts. Locate half (25) of those items and have a picture of yourself with the item or take a selfie with the item. **You must be in the photo to get credit!**

Create a PowerPoint or Google Slides presentation using the following format.

Slide 1:

Include the following information:

- Name
- Grade
- Reason for taking AP Biology and/or what you hope to get out of AP Biology
- Your favorite biology-related idea, term, concept, activity, subject, etc.

Slides 2 and 3:

- The biologically relevant definitions or explanations of the 25 terms or ideas you **did not** take a picture of.

Slides 4 through 29:

- Each slide should contain three (3) pieces of information and be in the order listed below.
 - The picture of you and the biology term. If you just want a partial selfie that is fine too.
 - The biologically relevant definition of the term.
 - The date and location of the picture.

Once you have completed the AP Biology Summer Scavenger Hunt and created your PowerPoint or Google Slides presentation, email it to Mr. Horner before the first day of school. You may email him through Canvas or via your personal email.

Send email to: jason.horner@browardschools.com

The Items

1. Phospholipids (egg yolk)
2. Aquatic Ecosystem (Freshwater Lake or stream)
3. Denatured proteins (cooked meat)
4. Mixture of polar and nonpolar liquids (oil and water/seperated salad dressing)

5. Population (a group of individuals of the same species)
6. Inheritance (genetic trait or traits passed from one generation to another)
7. Organism that performs photosynthesis
8. Organism that performs fermentation or a product of fermentation (careful here!)
9. Organism that performs cellular respiration
10. A simple carbohydrate (sugar or starch)
11. A complex carbohydrate (cotton / cellulose)
12. Community (different populations in the same area)
13. Ecosystem (biotic and abiotic factors together, such as a forest or desert)
14. The Biosphere (planet Earth; no selfie required!)
15. A C4 plant (corn) or a CAM plant (cactus)
16. An animal that has undergone artificial selection.
17. A plant that has undergone artificial selection.
18. An endotherm
19. An ectotherm
20. You eating the product of a fertilized angiosperm.
21. You eating/holding something with a low pH (i.e., something sour).
22. A parasite/parasitic relationship
23. A mutualistic relationship
24. A decomposer
25. Cohesion / surface tension of water
26. Evaporative cooling (some creature/person sweating)
27. A device that regulates the temperature of your house (thermostat)
28. evidence of human impact on an ecosystem
29. Object where flowering plants sexually reproduce
30. Herbivory or predation
31. A photoautotroph
32. A chemoheterotroph
33. A primary consumer
34. A Mendelian trait (e.g., extra-long second toe, attached earlobe, widows peak, etc.)
35. A non-Mendelian trait (e.g., variegated leaves on a plant)
36. The ultimate source of all energy on Earth (hint: it's not on Earth).
37. Something that changes cellular communication in the human body (i.e., an over-the-counter drug/painkiller)
38. A carcinogen (something that can cause cancer)
39. A plant organ that performs photosynthesis
40. A substance that can bring the pH of the stomach closer to neutral (an antacid).
41. An organism with an internal skeleton (endoskeleton)
42. An organism with an external (exoskeleton)
43. A plant that does not make flowers (i.e., not an angiosperm)
44. Something that contains keratin.
45. Something that protects against mutations, especially mutations caused by ultraviolet (UV) light.
46. A food rich in lipids.
47. A food rich in protein.
48. Phase change of gaseous water to liquid water (condensation)
49. Something related to biology that you absolutely love and why.
50. Something related to biology that you absolutely hate (doesn't have to be a selfie) and why.