Speciation Module

Go to the following link: <http://evolution.berkeley.edu/evolibrary/article/evo_41>

You will need to click through the speciation subheadings on the left to find all of the information needed for this activity

Answer these on a separate sheet of paper

1. Define species.
2. Why can it be difficult to define what a species is?
3. What is speciation? Draw the fly example to show the point of speciation.
4. Explain how the two species of fly came to be as a result of their environment.
5. What kind of speciation is the fly example? How do you know?
6. Describe geographic isolation and draw the image representing it.
7. Describe reduction of gene flow and draw the image representing it.
8. Describe reproductive isolation and draw the image representing it. Be sure to include all example of how this event can occur.
9. Define allopatric speciation and give an example for how it works.
10. What can we observe that shows us how allopatric speciation is possible?
11. How did the fly lab prove that speciation could occur? Include details of the lab and how they made is possible.

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