**BIOL 301 – Reverse Lecture Quiz #4** **NAME:**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Fill out the chart:

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Fagaceae** | **Betulaceae** | **Juglandaceae** |
| **Why do we care?** |  |  |  |
| **Habit** |  |  |  |
| **Leaf composition and other characters** |  |  |  |
| **Leaf arrangement** |  |  |  |
| **Significant reproductive structures** |  |  |  |

1. All three of these families rely on wind for pollination. What common features of their structure and life history promote wind pollination?
2. One member of the Fagaceae, of huge ecological and economic importance, is now essentially extinct – did you discover this story? What is it?
3. What is significant about the buds in most species in the Fagaceae?
4. What is significant about the leaf scars in the Juglandaceae?
5. Sketch the typical leaf margin for the Betulaceae:
6. How did you learn about these families? What resources did you use? Do you feel comfortable about your level of understanding?
7. Did this quiz adequately capture your knowledge of these families? Is there anything else that you learned that is interesting and/or significant?