Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period: \_\_\_\_\_\_\_\_\_\_\_\_\_

Dichotomous Key Tic-Tac-Toe

The tic-tac-toe board below lists nine dichotomous key activities. Each activity has its own point value (20, 30, or 40), which is the maximum grade that can be earned for the activity. Choose three activities in a row (tic-tac-toe!) to complete. Your grade will be based on the point value of the activities that you choose.

|  |  |  |
| --- | --- | --- |
| 20 | 30 | 20 |
| 30 | 30 | 40 |
| 30 | 40 | 40 |

Example:

Max grade: 70

Max grade: 110

Max grade: 100

For each activity, there is an answer document to be turned in. Keep all three and staple them to this sheet to turn in by the end of the week.

All activities are due by the end of class on Friday, April 28th. This assignment is a test grade!

|  |  |  |
| --- | --- | --- |
| **1. Taxonomic Kingdoms**  Complete the dichotomous key by identifying which kingdom each organism belongs to.  **20 points** | **2. Leaves**  Use the dichotomous key provided to identify the plants.  **30 points** | **3. Insects**  Use the dichotomous key provided to identify the insects.  **20 points** |
| **4. Design an Alien Key**  Using the alien picture cards provided, create a dichotomous key to identify ten aliens.  **30 points** | **5. Salamanders**  Use the dichotomous key provided to identify each type of salamander.  **30 points** | **6. Sharks**  Use the dichotomous key provided to identify the family each shark belongs to.  **40 points** |
| **7. Wild Cats**  Use the dichotomous key provided to identify each type of wild cat.  **30 points** | **8. Design your own key**  Use the instructions provided to create a key for an item of your choice.  **40 points** | **9. Alien Invasion**  Use the dichotomous key provided to identify and classify aliens from another planet.  **40 points** |