**Think Tac Toe**

**Biodiversity/Endangered Species**

**Directions:** Choose ANY 3 boxes (does NOT have to be in a row) below and complete the assignment by EITHER writing a 4-5 COMPLETE sentence paragraph (1/2 page in length) OR drawing a ½ page illustration representing your answer WITH captions for EACH drawing.

|  |  |  |
| --- | --- | --- |
| What determines whether a species is known or unknown?  Why is genetic diversity important for the survival of a species? | Describe four ways that species are being threatened with extinction globally. | Is it possible to put a price on a single species? How could 1 species be so important to an entire ecosystem? Explain your answer. (At least one long paragraph, 4-5 sentences long!) |
| Describe three levels of biodiversity. Which level is most commonly meant by *biodiversity?* Use a real life examples to describe each level. | List areas of the Earth that have high levels of biodiversity and many threats to species. Why are these areas considered biodiversity critical hotspots? | Which of the various threats to biodiversity do you think will be most difficult to stop? Which are the hardest to justify? Explain your opinion. (in a paragraph, 4-5 sentences long!) |
| Explain how biodiversity is important to ecosystems and give examples of how it is important to humans, technology and medicine. | Explain the advantages of protecting entire ecosystems rather than individual species. Provide a real life example in your explanation. | Describe various methods used to conserve biodiversity. Discuss ways in which efforts to protect species can lead to controversy. (At least a paragraph, 4-5 sentences long!) |