**Environmental Science Unit 4 Review: Biodiversity and Conservation**

*Biodiversity Species richness Species abundance Invasive Species*

*Biological control Chemical control Physical Control Prevention*

Directions: Answer the following questions in **COMPLETE SENTENCES*.***

1. An ecosystem has 5 Toucans, 6 antelopes and 7 anteaters.
   1. What is the species richness of this ecosystem?
   2. What is the species abundance of each of the different species present? (**Show your work!)**

Toucans:

Antelopes:

Anteaters:

2) What are two characteristics of invasive species that make them successful invaders?

3) What is the danger of using biological control for eradicating invasive species? What is a real-life example of this method going horribly wrong?

4) For which organisms would physical control be difficult? Why?

5) What is an example of prevention of invasive species?

*Poaching Deforestation ecological restoration ecological rehabilitation ecological preservation in situ remediation ex situ remediation*

6) What are two negative effects of poaching?

7) What are the main reasons why deforestation occurs?

8) What are the negative effects of deforestation?

9) How is in situ remediation different from ex situ remediation?

10) What is a disadvantage of ex situ remedation?

11) What are two strategies to preserve biodiversity?