Service Learning Week Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Block: \_\_\_\_\_

**Diversity of Life on Earth through Time**

This week, we are discussing diversity within Biology:

1. **How has biodiversity on Earth changed over time?**
2. **The possible Sixth Extinction.**

1. What is the natural background extinction rate?

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2. What is the difference between extinction and a mass extinction?

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3. This graph shows the diversity of life (*numbers of families*) through time (*mya*).

 -**Draw lines** down to indicate when the **five** greatest mass extinctions happened.



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| --- | --- | --- |
| **Name (Time Period)** | **Time (mya)** | **What went extinct?** |
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**b. The Sixth Mass Extinction?**

1. List the different threats to biodiversity in your group:

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1. **Debate** in your group and **choose** the most devastation threat to biodiversity. **Describe** why.
2. What can we do as humans to reduce these threats to biodiversity?

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