Name:

Date:

Period/Teacher:

This Is My Earth: Introduction Activity

| **Learning Objectives**: What are you going to learn?*↓Fill in the blanks below↓* |
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| 1. I will be able to define \_\_\_\_\_\_\_\_\_\_\_\_\_ and describe what makes a particular area a biodiversity \_\_\_\_\_\_\_\_\_\_.
 |
| 1. I will be able to discuss the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ to biodiversity conservation.
 |
| 1. I will be able to develop and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ in favor of preserving a particular biodiversity hotspot through the TiME organization.
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| Video: What is **biodiversity?***↓Write 3 interesting facts from the video in the boxes below↓* |
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| **… Biodiversity***↓Write the definition below↓* |
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| Biodiversity is the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

| **Why are we losing species?***↓List and define the reasons below↓* |
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| 1. **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
 | The process by which a natural habitat becomes \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Its native species. |
| 1. **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
 | Continuous habitat broken up into many \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, so areas are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ by a human-made matrix of different land use types |
| 1. **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
 | The \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of natural resources and \_\_\_\_\_\_\_\_\_\_\_\_\_\_ of wild animal and plant species by people. Example:  |
| 1. **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
 | Significant changes in \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, precipitation, wind patterns and other measures of climate that occur over several decades or longer.  |

| **Fill in the blanks in the feedback loops below:** |
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| **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Species** | Species that are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ to a single defined geographic location (such as an island) or habitat type found \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ in the world. |
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| **Biodiversity hotspots** |
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| Represent just\_\_\_\_\_\_\_\_% of Earth’s land surfaceSupport more than \_\_\_\_\_\_\_\_\_\_% the world’s endemic plant speciesSupport nearly \_\_\_\_\_\_\_\_% of endemic bird, mammal, reptile and amphibian species. |
| To qualify as a biodiversity hotspot, a region **must meet two strict criteria**:*(You may write these in your own words)*1. It must have \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. It must have \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
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| **Problem:** Over \_\_\_\_\_\_% of biodiversity hotspots are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. | **Solution:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| --- | --- |