Name:

Date:

Period/Teacher:

This Is My Earth: Introduction Activity

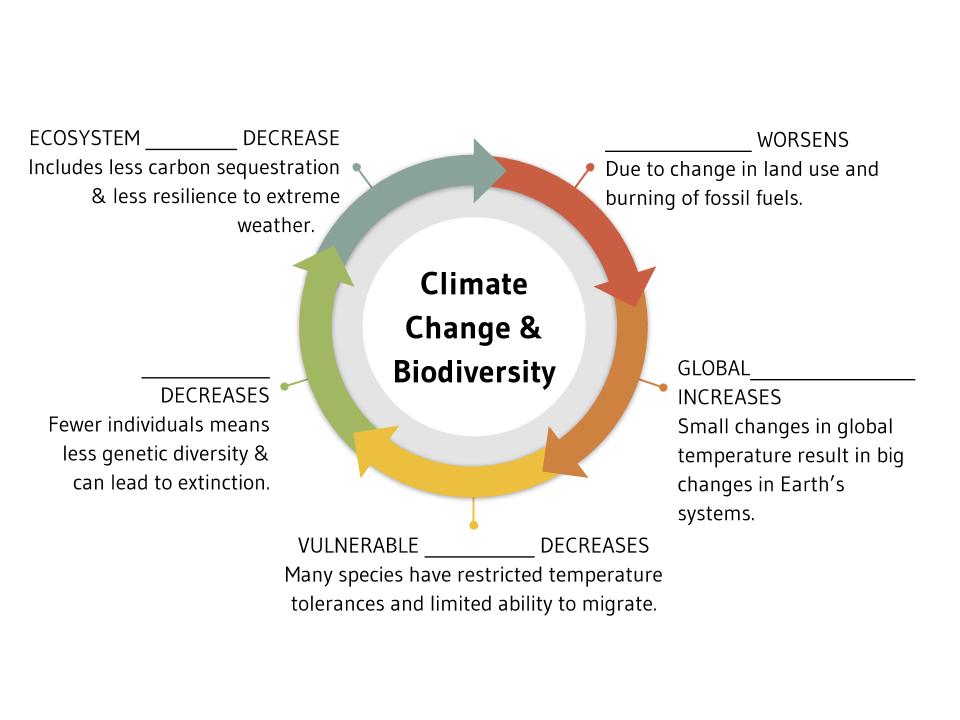
| **Learning Objectives**: What are you going to learn?  *↓Fill in the blanks below↓* |
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| 1. I will be able to define \_\_\_\_\_\_\_\_\_\_\_\_\_ and describe what makes a particular area a biodiversity \_\_\_\_\_\_\_\_\_\_. |
| 1. I will be able to 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. |

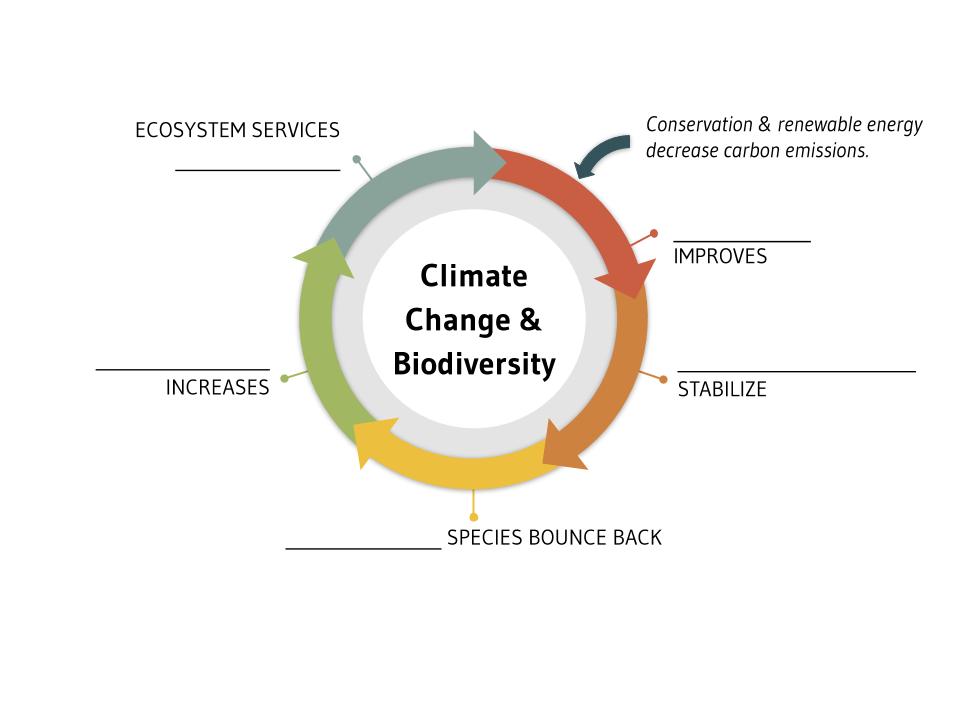
| Video: What is **biodiversity?**  *↓Write 3 interesting facts from the video in the boxes below↓* |
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| **… Biodiversity**  *↓Write the definition below↓* |
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| Biodiversity is the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

| **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 surface  Support more than \_\_\_\_\_\_\_\_\_\_% the world’s endemic plant species  Support 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 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

| **Problem:** Over \_\_\_\_\_\_% of biodiversity hotspots are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_. | **Solution:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
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