## **Lesson 1: Evidence of Climate Change**

**Essential Question:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Learning Target:** I can analyze data about earth systems to make \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_-based predictions about current and future impacts due to climate change.

An **infographic** is a \_\_\_\_\_\_\_\_\_\_\_\_\_ way to show data to highlight \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and draw

attention to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

| **Figure Title:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  **Variables being compared: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ & \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** | | |
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| **Observations/Important parts of the graph (EVIDENCE)**  *(ex. “The line slopes upward beginning around 1950”)* |  | **Explanation of important parts (REASONING)**  *(ex. “That means the CO2 levels are rising”)* |
| y-axis is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. In 2010 the line is at 1.5 on the y-axis, so one data point is:  (\_\_\_\_\_\_\_\_ , \_\_\_\_\_\_\_) | **→** | The y-axis shows \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ in temperature, so 0.0 means “\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.” In 2010, it was 1.5 degrees warmer than the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ in the early 1900s |
| From \_\_\_\_\_\_\_ - \_\_\_\_\_\_\_, the overall trend is  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | **→** | Temperature was \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ during that time |
| Starting in \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ the line goes up diagonally | **→** | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ in average temperature |

*This figure shows an effect of climate change on \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. We can see from this data that the temperature stayed about the \_\_\_\_\_\_\_\_\_\_\_\_ from \_\_\_\_\_\_\_\_–\_\_\_\_\_\_\_, as evidenced by the horizontal trend. Starting in 1930 the temperature started \_\_\_\_\_\_\_\_\_\_\_\_. In 2010 it was 1.5 degrees warmer than it was in the early 1900s.*