

Name:

Date:

Vegetation and Climate Investigation

Planning Phase

In your science notebook:

- 1) Use the results of your literature search to refine and record your **research question**. Make sure it relates to the interactions between vegetation and climate and can be answered using the Student Climate Data online tools.
- 2) Write a **hypothesis statement** that will either be supported or not supported by the results of your investigation.
- 3) Record the data/information you will need in order to test your hypothesis.

Investigation Phase

Use the data tools on the Student Climate Data website (Maps, Animations, Single Site Climate Data, Carbon Mapper, etc.) to investigate how one or two of the climate variables discussed in the literature are projected to change in the future.

In your science notebook:

- 1) Record your findings and observations using text, tables, and/or graphs.
- 2) Record the notable outcomes from your investigation.
- 3) Was your hypothesis supported by the data from your investigation? Why or why not? Use data to support your explanations.
- 4) Were any of the results unexpected? If so, try to explain why.
- 5) Write a conclusion and discuss the final results with respect to the original research question.