Post Challenger Mission Constructed Response

Name:

Date:

During your Challenger Mission, you experienced a simulated mission to space in the

role of a scientist. You chose a job based on your interests and skills and learned the

responsibilities an actual scientist would have both on the space station and at Mission

Control. All scientists are responsible for conducting many experiments on each mission.

Some of these experiments are designed by the astronauts themselves, some are designed

by scientists from all over the world, and some are designed by students like you.

**Task: Design and describe a research project that could utilize NASA satellite data to help researchers on Earth design an investigation your community could do help better prepare for future development or extreme weather.**

**Complete the following parts of the Scientific Method for the design of your**

**experiment.**

*Question:*

*Hypothesis:*

*Manipulated Variable:*

*Responding Variable:*

*Controlled Variables:*

*Data: Make a labeled data table that would be used to record the data for your experiment.*

*Reflection: Explain why you would choose to design this experiment and what you*

*would hope to learn from it.*