Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period:\_\_\_\_\_\_\_\_\_\_

**Question**: How much weight can my bridge hold before collapsing?

**Hypothesis**: I think that my bridge can hold \_\_\_\_\_ lbs before collapsing, because:

Answer the following questions about your bridge design prior to testing in complete sentences.

1. Which truss design did you decide to use in your bridge, and why?
2. What geometric shapes did you use in your design, and why?
3. What was the most difficult part about building your bridge, and how did you overcome it?
4. What questions about bridge design do you still have?

**Data Table** – construct a basic data table to collect your results/observations from testing your bridge.

**Conclusion** (Claim, Evidence, Reasoning) – referring back to your hypothesis and the data collected answer the following questions.

 **Claim**: Was your bridge able to hold the amount of weight that you predicted?

 **Evidence**: How much weight was your bridge able to hold?

**Reasoning**: Why do you think your bridge performed the way that it did? What is it about the design and what you know about bridges that affected its performance?

**Revision**: What about bridges would you like to know more about that would help you build a better bridge?