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

Answer the following questions in complete sentences using the **Claim, Evidence, and Reasoning** framework (Make a claim, back it up with evidence, and explain why the evidence supports the claim through reasoning). Refer back to your observations from building your bridge as well as from testing it.

1. How would the results change if you placed the weight on a different part of the bridge?
2. What geometric shapes did you often see in the strongest designs?
3. What bridge styles performed the best? Why do you think they performed well?
4. If you were to do this project again, what would you change about your bridge? What effect would this change have?
5. Why it is important for engineers to test different designs before building them?
6. What advice would you give to the next group of 8th graders who get to do this project?