

Name:

Date:

Gumdrop Structure Challenge Your challenge:

Directions: Using 10 gumdrops and 20 toothpicks, design a structure that can hold the weight of a dictionary and be 2 inches tall.

Check-in Questions:

1. What structures or methods of construction have you tried that aren't working? Draw a sketch to help explain. Why do you think this structure doesn't work well? Can you modify it, or will you abandon this structure all together?
2. What structures or method of construction are you planning to include in your final design? What have you found about this structure that will help your design meet the challenge?

Testing Your Design:

3. Draw a sketch of the Gumdrop structure you will test. Take measurements and label these on your drawing.

4. Did your gumdrop structure hold up under testing? If so, why was the design successful? If not, what aspect of your design could be improved?

5. Whether or not your design was able to meet the challenge, what did you learn while completing this activity?