

Name _____ Date _____



Gumdrop House

Using 10 gumdrops and 20 toothpicks make a house-like structure that can hold the weight of a heavy book.

Build a gumdrop house using the following shapes. Record the house's height and width in the measurement column. Then describe what happened to the house after testing.

I predict that the _____-shaped house will be able to hold the weight of a book.

| Shape | Measurements | Testing Results |
|---------------|--------------|-----------------|
| square | | |
| triangle | | |
| diamond | | |
| (your choice) | | |

1. What shape made the weakest home?

2. What shape made the strongest home?

3. If you had more gumdrops and toothpicks how would you make your home stronger?
