Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Catapult Design Worksheet**

**Problem:** You are an engineer who specializes in designing cool toys and machines for games. You were recently contacted by the SuperFun Toy Company to help design a machine called a catapult for a game that will launch “snowballs” at a series of targets. To ensure that children and adults alike will love the game, you need to make sure the catapult is both accurate and precise.

**Materials:**

**Procedures:** Brainstorm several ideas you have for how to use the above materials in your catapult. You may use the internet for research. Draw your group's catapult design.

**Build:** List how much of each material you will need to build your catapult. **Once your design and materials list are complete, you may collect materials from your teacher**.

|  |  |
| --- | --- |
| Item | # needed |
| Popsicle Sticks |  |
| Masking Tape |  |
| Straws |  |
| Rubber Bands |  |
| Plastic Spoons |  |

**Questions:**

1. How well did your catapult work?
2. Did it make the target?
3. How many attempts did it take to make it in the target?