

Name: _____ Date: _____

Springy Flinger

1. Do Steps 1 and 2 of the Task Card. How would you use the catapult to create potential energy?

2. **Predict:** What will happen to the catapult when the potential energy turns to kinetic energy?

3. What will happen to the ball?

4. Test your catapult. How far does the paper ball fly? Record the distance here.

5. How could you change your catapult so the ball flies farther? On the back of this sheet, make a list of possible changes you could make.

6. Do Step 6 of the Task Card. Keep track of the changes you made and your test results below.
(If you run out of room, use the back.)

Change	New distance	Keep the change?
		Yes / No
		Yes / No
		Yes / No
		Yes / No