

# Rubber Band Cannon Record Sheet

## Angle Variable

Launch Angle	Stretch Distance	Rubber Band Type	Launch Distance				
			Trial 1	Trial 2	Trial 3	Trial 4	Average
	12 cm	Thin					

## Stretch Variable

Launch Angle	Stretch Distance	Rubber Band Type	Launch Distance				
			Trial 1	Trial 2	Trial 3	Trial 4	Average
30°		Thin					

## Rubber Band Variable

Launch Angle	Stretch Distance	Rubber Band Type	Launch Distance				
			Trial 1	Trial 2	Trial 3	Trial 4	Average
30°	12 cm						

## Post-Lab Questions *(Answer on a separate sheet of paper.)*

1. How does changing the angle variable affect the distance of the shot?
2. How does changing the stretch variable affect the distance of the shot?
3. How does changing the rubber band variable affect the distance of the shot?
4. Why do you believe one rubber band traveled a greater distance than the other (all other variables being constant)?
5. What other variables could be tested that might affect the range of the rubber band cannon?
6. How might the rubber band cannon improve its range?