### FLINN SCIENTIFIC

# **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?

© 2019, Flinn Scientific, Inc. All Rights Reserved. Reproduction permission is granted from Flinn Scientific, Inc. Batavia, Illinois, U.S.A. No part of this material may be reproduced or transmitted in any form or by any means, electronic or mechanical, including, but not limited to photocopy, recording, or any information storage and retrieval system, without permission in writing from Flinn Scientific, Inc.