

Name _____

Change Motion

Steps

1. **Measure** Place a line of tape on the floor. Place two more lines 15 and 30 centimeters behind the first. Put a chair leg even with the first line. Put a rubber band around the chair leg and stretch it.

Safety: Wear goggles!

2. **Observe** Place a cart against the band. Pull it back to the second line and let go. Use tape to mark where it stops. Measure and record the distance the cart traveled.

3. **Measure** Repeat step 2, but this time pull the cart back to the third line.

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Think and Share

1. Compare When did the cart travel farther?

2. Infer What caused the cart to travel farther?

Experiment

Guided Inquiry

Tape an object to the cart. Repeat the activity.

Compare the results.
