Student Name: Period:

1. Racquetball material observations:

2. Warm-up: How high did your ball bounce in cm? _____

3. Collect your data:

Ball	Temperature	Height of Bounce #1 (cm)	Height of Bounce #2 (cm)	Height of Bounce #3 (cm)	Average Height (cm)
A (cold water)					
B (room temp water)					
C (warm water)					

Which ball bounced the highest? What was its average height?

Which ball bounced the lowest? What was its average height?

Reflect and Apply

1. How did the temperature affect the elasticity (bounciness) of rubber?

2. Can you think of other things that are made of rubber? Make a list and explain why rubber is good for that use.

3. Discuss the traits or properties that might make rubber a great material to use in a running track. What do you think might happen to the track when the weather changes, and how would it affect the people running on it?