## FLINN SCIENTIFIC

Name

## **Conservation of Energy Worksheet**

## Data Table

Track	Average Maximum Height	Observations

## **Post-Lab Questions**

- 1. Define the term *conservation of energy*.
- 2. How did the shape of the track or the path that the ball traveled affect the maximum height the ball reached on the Catching Curve?
- 3. Compare the maximum height reached by the ball or the Catching Curve to the initial height of the track. Could the ball ever travel higher than the original height?
- 4. Would using a heavier ball affect the height the ball would reach on the Catching Curve? Explain.
- 5. Compared to a ball that rolls down the track a certain vertical distance, would the same ball that drops straight down the same vertical distance have more, less, or the same amount of kinetic energy? Explain.
- 6. Would a ball dropped straight down have more, less or the same speed as the rolling ball at the end of the track? Explain.

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