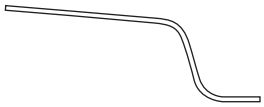
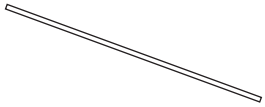
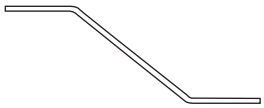
FLINN SCIENTIFIC

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.