

Time of bowling ball: \_\_\_\_\_\_\_\_\_\_\_

1. Was this easy or hard? If you did this with a soccer ball, would it be easier or harder? Why do you think this?
2. Using **words** and a **picture,**how do you get the balls to speed up?

1. Using **words** and a **picture,**how do you get the balls to slow down?

1. Using **words** and a **picture,**how do you get the balls to go in a circle?

1. Using **words** and a **picture,**how do you get the balls to make a sharp right turn?

1. Describe the motion (speed and path) of the balls in the "no-touch" zone.

1. If you don't begin slowing the balls soon enough for a turn, describe the path the balls "wanted" to take using **words** and a **picture**.
2. Overall, when was it necessary to give the ball force? When it was moving, or when the motion changed?
3. Do you know Newton’s 1st law of motion? Hint: Any object at rest………..
4. How do you think Newton’s 1st Law of motion applies to this activity?