

Data Table:

See Drawings for more info...

Part 1: Bottle facing front of car.

Acceleration – Slow: The water went to the back of the bottle slightly.



Fast: Most of the water went to the back.



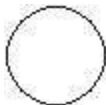
Deceleration – Slow: The water went to the front of the bottle slightly.



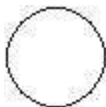
Fast: Most of the water went to the back of the bottle.



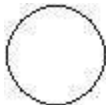
Left Turn – Slow: The water went to the right side slightly.



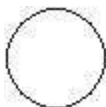
Fast: Most of the water went to the right side



Right Turn – Slow: The water went to the left side slightly.

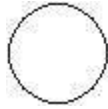


Fast: Most of the water went to the left side

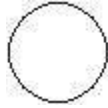


Part 2: Bottle facing driver.

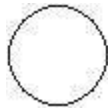
Acceleration – Slow: The water went to the part of the bottle by the holder slightly.



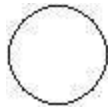
Fast: Most of the water went to the part of the bottle by the holder.



Deceleration – Slow: The water went to the part towards the front of the car slightly.



Fast: Most of the water went to the part towards the front of the car.



Left Turn – Slow: The water went to the back side slightly.



Fast: Most of the water went to the back side.



Right Turn – Slow: The water went to the front side slightly.



Fast: Most of the water went to the front side.



Part 3: Balloon Predictions

- We predicted it would have the same action as the water.

Acceleration – Slow: Back Slightly

Fast: Really far back

Deceleration – Slow: Front slightly

Fast: Almost up to the dashboard

Left Turn – Slow: To the right slightly

Fast: Almost to the right door

Right Turn – Slow: Left Slightly

Fast: Almost to the left door.

Part : Balloon Actual

- We were way off from our predictions

Acceleration – Slow: Front Slightly

Fast: Almost to dashboard

Deceleration – Slow: Back slightly

Fast: Almost to back seat

Left Turn – Slow: To the left slightly

Fast: Almost to the left door

Right Turn – Slow: Right Slightly

Fast: Almost to the right door.