

Lab: Projectile Motion - Data

Name \_\_\_\_\_

Measure vertical displacement from this line. ▼

Measure horizontal displacement from this line.

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- 1) Measure the vertical displacement from the top line.
- 2) Measure the horizontal displacement from left line.
- 3) Calculate time using an \_\_\_\_\_ equation. Show your work for at least one trial below the chart.
- 4) Calculate average horizontal velocity by dividing \_\_\_\_\_ by \_\_\_\_\_.
- 5) Calculate average vertical velocity by dividing \_\_\_\_\_ by \_\_\_\_\_.

vertical displacement (m)	time (s)	horizontal displacement (m)	average horizontal velocity (m/s)	average vertical velocity (m/s)

Time calculation:

1. Within bounds of experimental data, how would you describe the horizontal motion of the ball?
  
2. How would you describe the average vertical velocity of this projectile?