

You launch a water balloon along a 1-dimensional trajectory as shown off the edge of a tall building. Neglecting air resistance.....

1. The speed of the balloon at B compared to D is

A. Higher B. Lower C. The same D. Cannot be determined 2. The speed of the balloon at A compared to E is

A. Higher B. Lower C. The same D. Cannot be determined 3. The speed of the balloon at F compared to A is

A. Higher B. Lower C. The same D. Cannot be determined

- 4. The time required to travel from A-C compared to travel C-E is
  - A. Greater B. Less C. The same D. Cannot be determined
- 5. Graph the position-time and velocity-time and acceleration-time curve
- 6. Find the initial velocity of the balloon
- 7. Find the total time the balloon is in the air
- 8. Find the velocity of the balloon when it hits the ground



find the change in position of this traveler

find the change in velocity of this same traveler

