

1/31/14

Did you do the reading?

- A. Yes
- B. Part of it
- C. Didn't have a chance

Which of these terms mean the same thing?

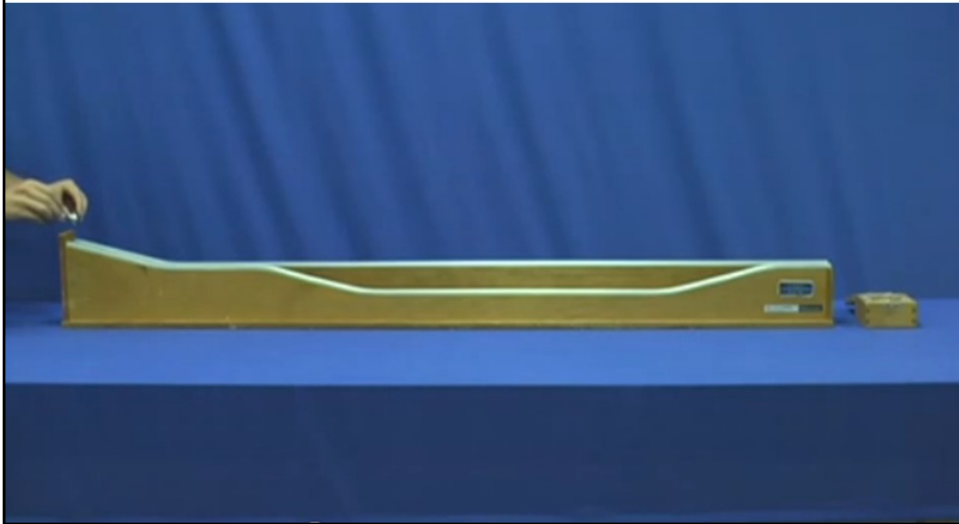
1. Constant acceleration
2. Zero acceleration
3. Constant velocity

- A. 1 & 2
- B. 1 & 3
- C. 2 & 3
- D. All have different meanings

C. If there is no acceleration that means there is no change in velocity. Constant means the value is steady.

Which ball wins?

- A. High Road
- B. Low Road
- C. Tie



A. The low road track has a higher velocity during the low section of the track so gets ahead during that section.

Which ball wins?

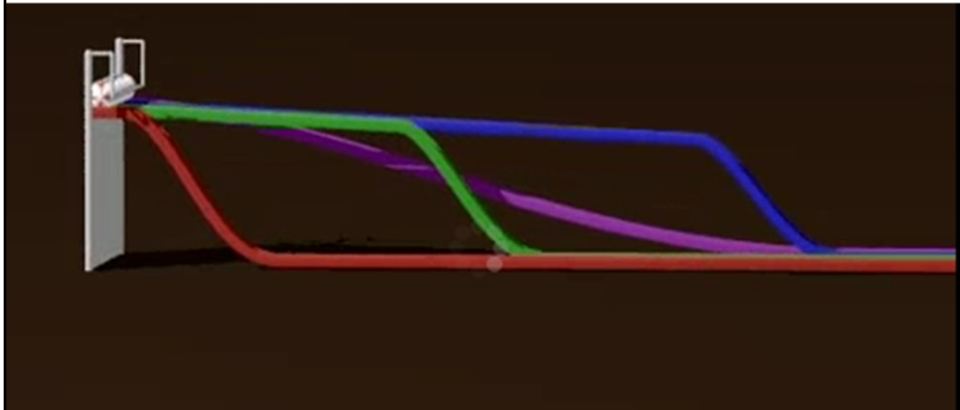
- A. High Road
- B. Low Road
- C. Tie



The low road track (front track) has a higher velocity during the low sections of the track so gets ahead during that section.

Which ball wins?

- A. Red
- B. Green
- C. Purple
- D. Blue



A. The red track gets the ball up to its maximum speed first so the ball travels a longer distance at the highest speed.

Which cart wins?



- A. Yellow
- B. Green
- C. Tie

C. This shape of track gives the fastest times to the bottom compared to other shapes AND it gives the same time to the bottom no matter where the cart starts on the track!



Ball in the face!

issy takes a header!



Ball in the face!

Bill says: *Good thing she wasn't standing further back! That close, the ball didn't have time to get up to speed yet.*

Alexis says: *It's going fastest after it left my foot. It'll be slower further away not faster!*

Do you agree with

- A. Bill
- B. Alexis
- C. Both are wrong
- D. A combination of both

B. Alexis is correct. There is no way for the ball to speed up or gain more energy after it has left her foot!