



Clicker Question

Ice hockey player A (mass 100 kg), traveling at 4 m/s on the ice, crashes into player B (mass 100 kg), who is at rest. After the collision, they are stuck together, wrestling each other. What is their speed after the collision, in m/s?

















A car drives around a circle with a 10 m radius in 10 seconds, maintaining a constant speed. What is the car's approximate speed, in m/s?

- A. 1 m/s
- B. 10 m/s
- C. 3.14 m/s
- D. 6.28 m/s











Clicker Question

When an object is moving on a circular path,

- A. a centrifugal force accelerates the object inward.
- B. a centrifugal force accelerates the object outward.
- C. a centripetal force accelerates the object outward.
- D. a centripetal force accelerates the object inward.

E. there is no force as long as the object's speed does not change.

Clicker Question

A car drives around a circle of radius 10 m at a constant speed of 1 m/s. What is the magnitude of the car's acceleration, in m/s^2 ?































