

2. When I walk normally, what force pushes me forward?

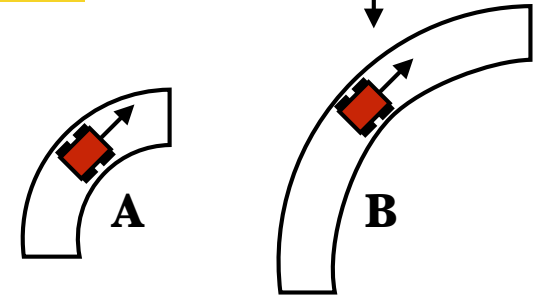
**normal**    **tension**    **static friction**    **kinetic friction**

3. An elevator is moving downward and slowing down. The tension in the cable is \_\_\_ the weight of the elevator.

**less than**    **equal to**    **greater than**

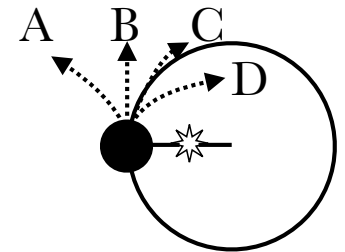
4. Two identical cars drive around the two curves shown at 10m/s. Which car feels the greater centripetal force?

**A**    **B**    **Both the same**    **Cannot be determined**



5. A ball is being spun around on a rope when the string breaks. How does the ball move when the string breaks?

**A) curves to the left**    **B) goes straight**    **C) curves a little to the right**    **D) curves a lot to the right**



6. A block sits on the table. Which of these is the force twin (in the Newton's 3rd law) to the normal force of the table on the block?

**the weight of the block**    **the normal force of the block on the table**    **the frictional force of the table on the block**

7. Identical masses are suspended by two identically sized wires (same length and diameter). One wire has a larger Young's modulus than the other. Which wire stretches more?

**The one with the larger Y**    **The one with the smaller Y**    **Both stretch the same**

