



You are pulling two weights along a table with equal force. Which one would speed up faster?



1. The 1 kg weight
2. The 5 kg weight
3. They would speed up the same way.
4. There is not enough information to tell.

The prof drops two metal spheres, one of 1 kg, the other of 5 kg. They hit the ground at (almost) exactly the same time. The force of gravity on the 5 kg weight is:



1. Greater than the force on the 1 kg weight
2. Less than the force on the 1 kg weight
3. Almost the same as the force on the 1 kg weight.
4. There is not enough information to tell.



You are driving at a speed of 30 miles/hour when your car hits a long patch of black ice. Fortunately, the road is straight and there is nothing in front of you. You take your foot off the gas and jam on the brakes, keeping the steering wheel turned so the wheels point straight ahead. Your wheels stop spinning. What happens to your car?

- A. It will quickly slow down and stop.
- B. It will keep going at about the same speed.
- C. It will skid sideways.
- D. There is not enough information to tell.

