Two smooth balls of exactly the same size, one made of wood and the other of iron, are dropped from a high building to the ground below.

The ball to encounter the greater force of resistance on the way down is the

- a) wooden ball.
- b) iron ball.
- c) ... both the same.



NEXT-TIME QUESTION

Two smooth balls of exactly the same size, one made of wood and the other of iron, are dropped from a high building to the ground below. The ball to encounter the greater force of air resistance on the way down is the

- a) wooden ball.
- b) iron ball.
- c) ... both the same.



Answer: b

Air resistance depends on both the size and speed of a falling object. Both balls have the same size, but the heavier iron ball falls faster through the air and encounters greater air resistance in its fall.





