

Question 1 / 1

What is inertia?

- ☐ a Inertia is an object's tendency to maintain its mass.
- ☐ b Inertia is an object's tendency to remain at rest.
- ☐ c Inertia is an object's tendency to remain in motion
- ☐ d Inertia is an object's tendency to remain at rest or, if moving, to remain in motion.

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Question 2 / 1

Two people apply the same force to throw two identical balls in the air. Will the balls necessarily travel the same distance? Why or why not?

- ☐ a No, the balls will not necessarily travel the same distance because the gravitational force acting on them is different.
- ☐ b No, the balls will not necessarily travel the same distance because the angle at which they are thrown may differ.

c

Yes, the balls will travel the same distance because the gravitational force acting on them is the same.

d

Yes, the balls will travel the same distance because the angle at which they are thrown may differ.

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