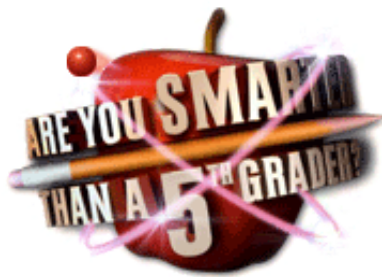


Are You Smarter
Than a 5th Grader?
Force and Motion



1,000,000

500,000

300,000

175,000

100,000

50,000

25,000

10,000

5,000

2,000

1,000

Are You Smarter Than a 5th Grader?

Question 1

Question 2

Question 3

Question 4

Question 5

Question 6

Question 7


Question 8

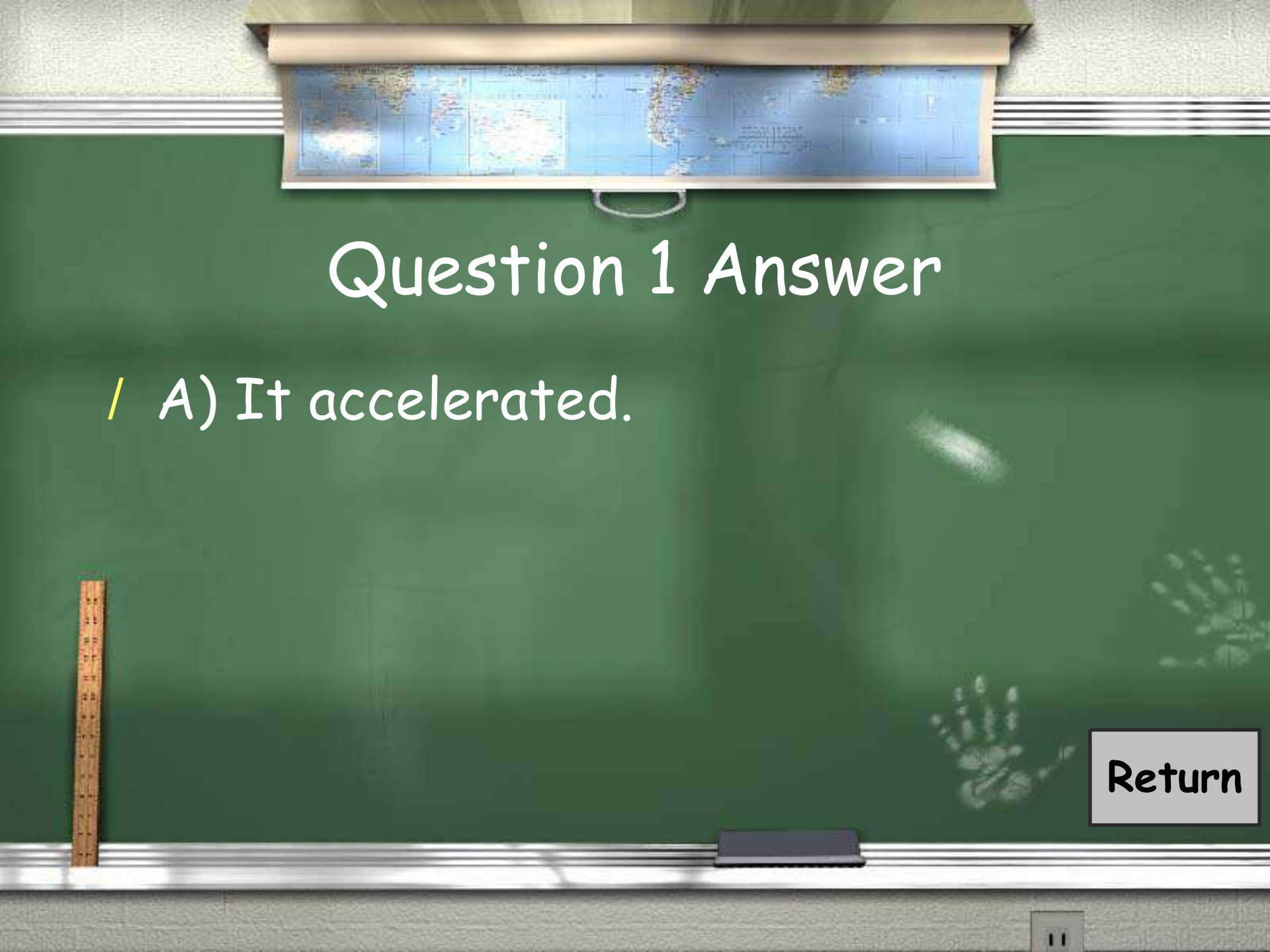
Question 9

Question 10



Question 1

- 
- / A car is moving at a speed of 60 kilometers per hour. Its speed then increases by 70 kilometers per hour. What must be true of the car?
 - / A) It accelerated.
 - / B) Its direction to travel changed.




Question 1 Answer

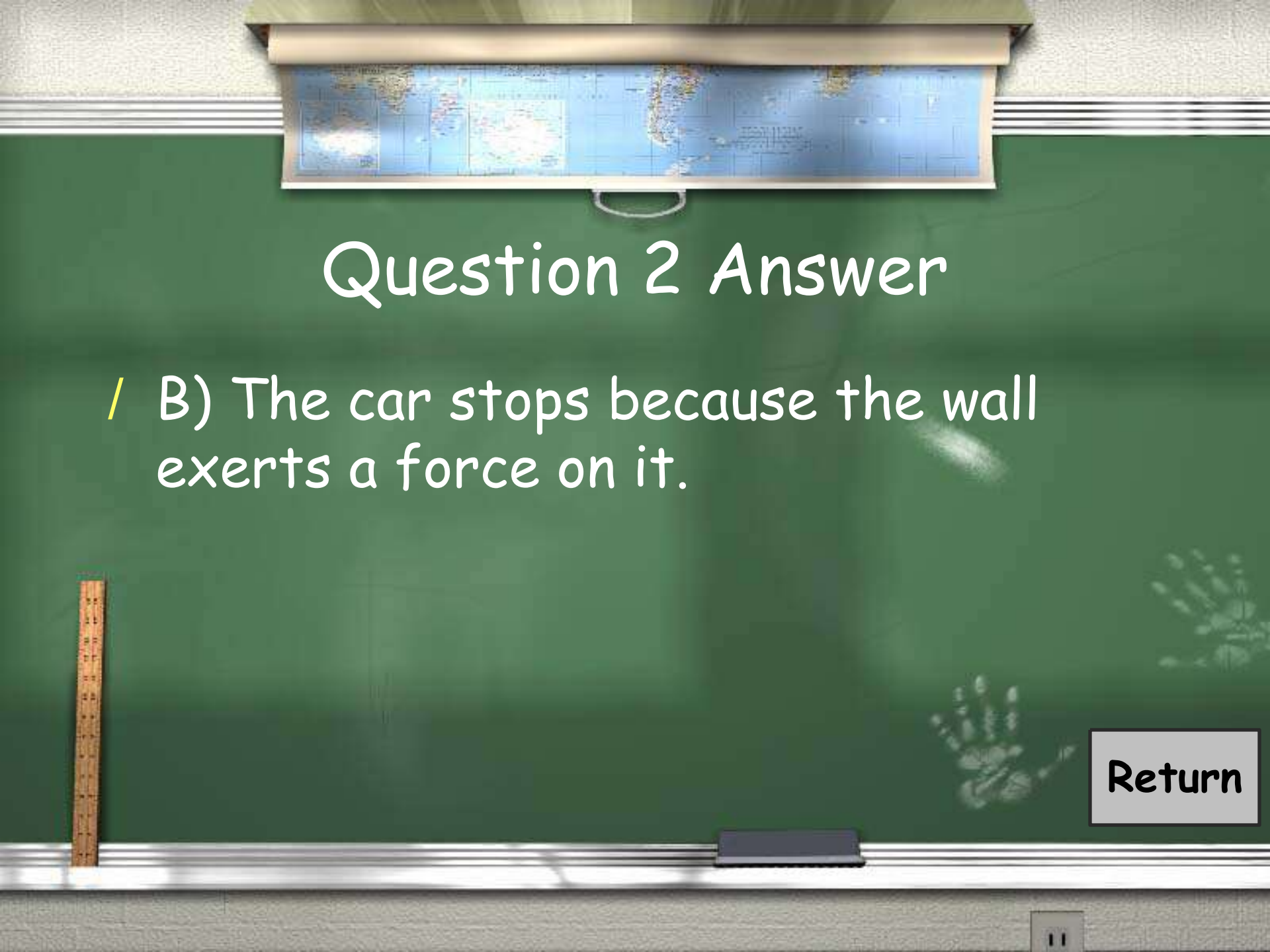
/ A) It accelerated.

Return



Question 2

- / A car runs into a wall. What happens and why?
 - / A) The friction between the car and the floor causes the car to stop.
 - / B) The car stops because the wall exerts a force on it.
- 




Question 2 Answer


/ B) The car stops because the wall exerts a force on it.

Return



Question 3

- / A child throws two balls with equal force. One travels faster than the other. How do the balls compare?
 - / A) The faster one has more mass than the heavier one.
 - / B) The faster one is lighter than the slower one.
- 



Question 3 Answer


/ B) The faster one is lighter than the slower one.




Return



Question 4

- / Ball A travels 60 kilometers in 3 hours. Ball B travels 40 kilometers in 2 hours. Ball A is larger than Ball B. Which of the following is true?
 - / A) Ball A and Ball B are traveling at the same speed.
 - / B) Ball A is traveling faster than Ball B.
- 



Question 4 Answer

- / A) Ball A and Ball B are traveling at the same speed.




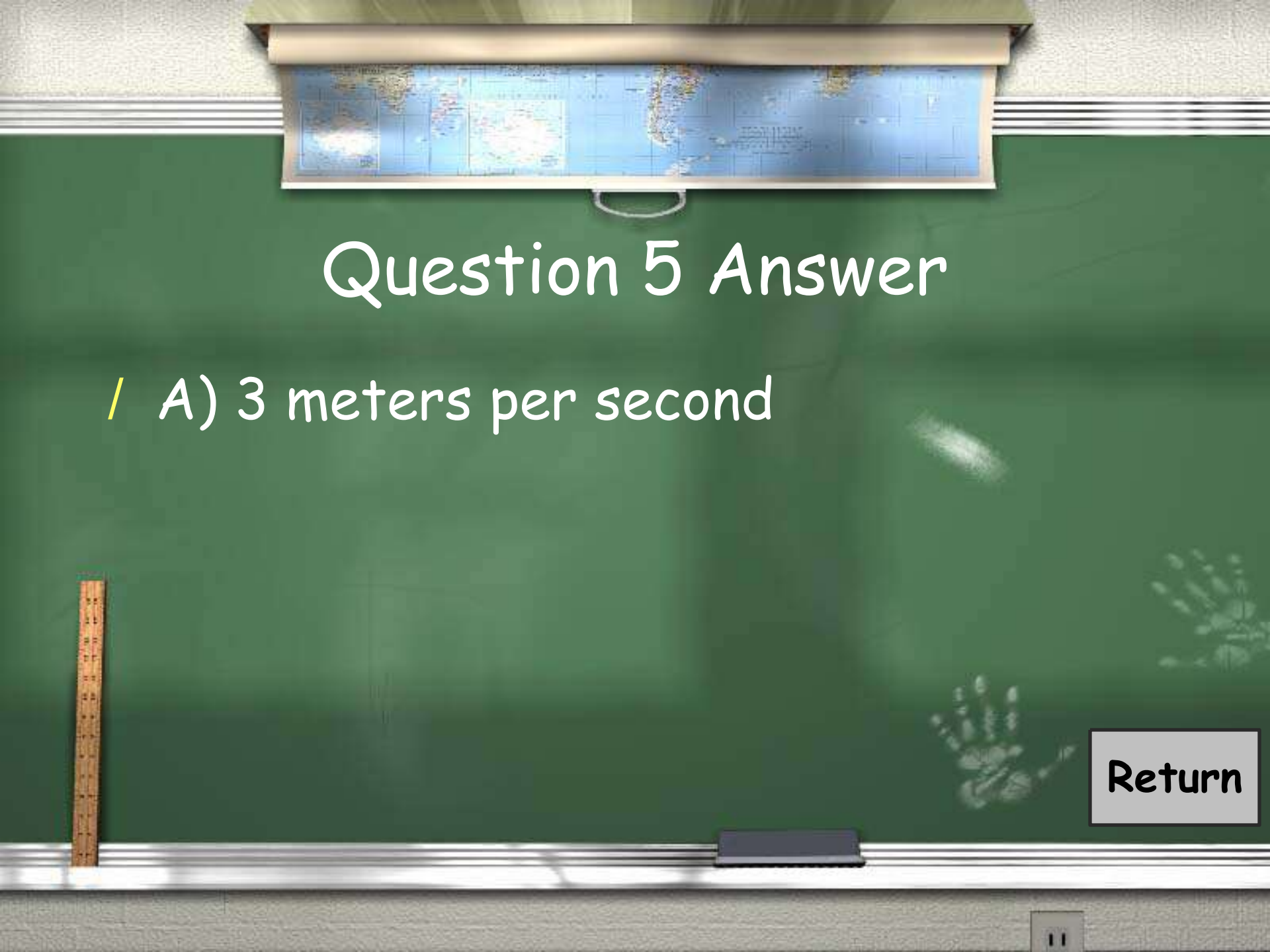
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Question 5

- / What is the speed of a dog that runs 9 feet in 3 seconds?

 - / A) 3 meters per second
 - / B) 9 meters per second
 - / C) 12 meters per second
 - / D) 27 meters per second
- 




Question 5 Answer


/ A) 3 meters per second

Return



Question 6

- / A person riding a snowmobile down a slope moves in relation to the trees, which term BEST describes the trees?
- / A) speed
 - / B) distance
 - / C) position
 - / D) frame of reference
- 



Question 6 Answer


/ D) frame of reference




Return



Question 7

- 
- / A constant force of 5 N is applied to an object resting on a flat surface, causing it to accelerate to the right. A force of 10 N is then applied in the opposite direction. In which direction does the object now move?
 - / A) up B) down C) right D) left



Question 7 Answer


/ D) left




Return



Question 8

- / The acceleration of an object depends on the size of the force used on it as well as the object's _____.
- / A) color
 - / B) volume
 - / C) temperature
 - / D) mass
- 



Question 8 Answer


/ D) mass




Return



Question 9

- / A car is moving in a straight line at a constant 40km/hr. What about the car changes?
 - / A) its speed
 - / B) its velocity
 - / C) its position
 - / D) its acceleration
- 



Question 9 Answer

/ C) its position

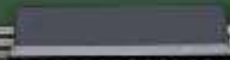



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Question 10

- / What force holds the Moon in its orbit around Earth?
- / A) friction
- / B) gravitation
- / C) position
- / D) weight





Question 10 Answer

/ B) gravitation




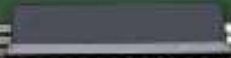

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Million Dollar Question
Grade Level Topic 11



1,000,000 Question

- / If an object has a large mass on Earth, what else does it have a lot of?
 - / A) inertia and volume
 - / B) weight and inertia
 - / C) weight and speed
 - / D) weight and volume
- 
- 
- 



1,000,000 Answer

/ B) weight and inertia

Return

Thank you for playing!

