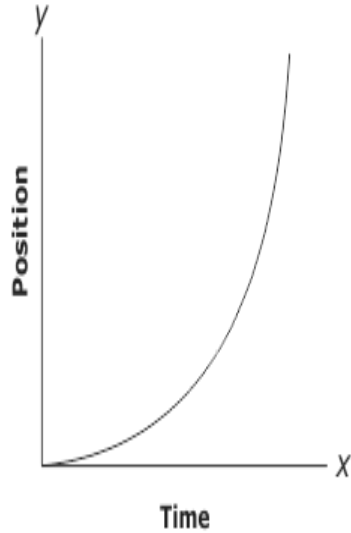


Name: _____

Question	Monday (9.17.2018)	Tuesday (9.18.2018)	Wednesday (9.19.2018)	Thursday (9.20.2018)
1	<p>Mr. P came in with a fresh pair of Air Jordan's. He was able to cross people over to next Sunday because of the tread at the bottom. Why do basketball shoes need to have tread?</p> <p>a. so they have a good resell value. b. to increase the speed of the player. c. to decrease the friction between the player and the floor. d. to increase the friction between the player and the floor.</p>	<p>Which will most likely increase friction on snow-covered highways?</p> <p>a. oil b. salt c. sand d. water</p>	<p>Mrs. Triolo was being driven by a Tesla. They literally drive themselves. Her book was lying on the dashboard of the car while at a red light. Which is the most likely reason for the book to slide backward as the car begins to move forward?</p> <p>a. The book has inertia. b. The book has momentum. c. The book has acceleration. d. There is a design flaw in Mrs. Triolo's Tesla.</p>	<p>What must be true for a baseball to be hit high into the air?</p> <p>a. The force striking the ball must be <u>greater</u> than the force of gravity. b. The force striking the ball must be <u>less than</u> the force of gravity c. The force striking the ball must be <u>equal to</u> the force of gravity d. The force striking the ball must be none other than Low Key Mr. P, all-time leading home run champion of Steele Creek Athletic Association.</p>
2	<p>Mrs. Whurr's Bugatti is traveling 80 mph with a heavy load in its trunk. She dropped the load off at school, and again travels 80 mph. Which best explains how the force acting on Mrs. Whurr's Bugatti changed after the load was dropped off at school?</p> <p>a. A larger force was needed to move the Bugatti because it had less mass. b. A smaller force was needed to move the Bugatti because it had less mass. c. A smaller force was needed to move the Bugatti because there was less friction. d. A larger force was needed to move the Bugatti because there was more friction.</p>	<p>The granola bandit strikes again! He escaped from the cafeteria by pushing two carts. One cart was filled with granola cups, and the other cart was empty. The empty cart is a decoy, in case you were wondering. What most likely happened to the carts?</p> <p>a. The empty cart moved farther, because it has less mass. b. The empty cart moved faster, because it has more mass. c. The filled granola cart moved faster, because it has less mass. d. The filled granola cart moved farther, because it has more mass.</p>	<p>Mrs. Whurr and Mr. P were doing a science experiment. Why? Because that's what science teachers do. Mrs. Whurr had a flat piece of paper and Mr. P had a balled up paper. Both papers were dropped at the same time from the same height. The ball of paper hit the ground first. Which force acted on the flat piece of paper that slowed it down?</p> <p>a. friction b. gravity c. inertia d. magnetism</p>	<p>If four balls, each with the same size, but different masses, are pushed with the same force on a flat surface, which ball will most likely roll the farthest?</p> <p>a. The ball with the least mass. b. The ball with the most mass. c. The ball with an official autograph by Brazilian superstar Neymar. d. The ball rolled by Mrs. Whurr because she was actually a professional bowler in college.</p>

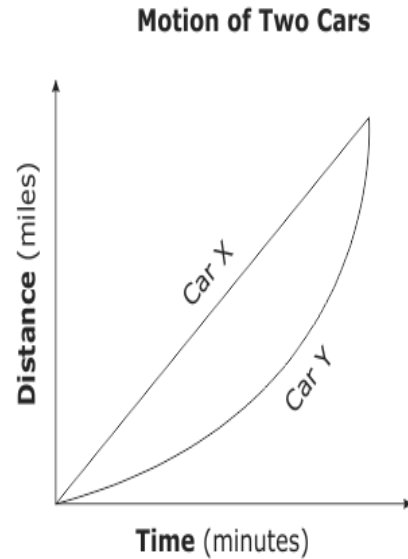
3

Which could **best** describe the movement on the graph?



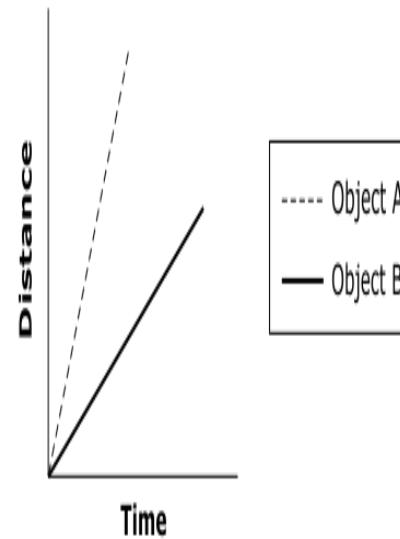
- a. The object is moving at a constant speed.
- b. The object came to a complete stop.
- c. The object is gradually increasing its speed.
- d. A ride at Carowinds that curves up.

Which **best** describes the motion of the cars on the graph?



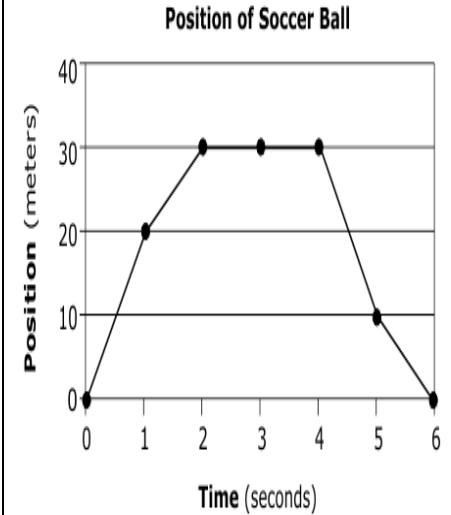
- a. Car Y traveled on a curvier road than Car X.
- b. Car X is a Bugatti and Car Y is Tesla.
- c. Car Y traveled at a constant speed, while Car X did not.
- d. Car X traveled at a constant speed, while Car Y did not.

Which is **true** about the graph below?



- a. Object A began moving before Object B.
- b. Object B began moving before Object A.
- c. Object A is moving slower than Object B.
- d. Object B is moving slower than Object A.

Which **best** describes the movement of the soccer ball in the graph?



- a. The ball traveled 20 meters, then was kicked to the right.
- b. The ball traveled 20 meters and returned to its starting point.
- c. The ball traveled 30 meters, stopped, then returned to its starting point.
- d. The ball traveled 50 meters, stopped, then returned to its starting point.