

CAUSE	EFFECT
An object is still.	It stays at rest until acted on by a force.
An object is in motion.	_____
_____	Inertia makes the riders feel like they are being pushed to the back of their seats.
Lap bar applies a force to the riders.	_____
_____	The stone stops.
Equal force is applied to 2 people with different masses.	_____
_____	Gravity pulls Johnny and Jenny down the ramp.
Johnny has more mass than Jenny.	_____
_____	Johnny and Jenny slow down.

Choose the correct letter from the choices below, of the cause or effect, to place in the blank.

- A. The rollercoaster moves forward.
- B. The object stays in motion until another force causes it to change direction, slow down or stop.
- C. The force of friction is applied to the stone.
- D. More force is needed to slow down Johnny, so he travels farther.
- E. Riders remain in their seats.
- F. Friction occurs between their wheels and the ground.
- G. The person with less mass accelerates faster.
- H. Max pushes Johnny and Jenny down the ramp.