

# GENERAL QUESTIONS

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## FILL IN THE BLANKS WITH THE TERMS IN THE GLOSSARY ON PAGES 4 & 5

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1. Before an egg gets released from the ride, it has the most \_\_\_\_\_ energy?
2. \_\_\_\_\_ of an object refers to its speed and direction.
3. When on a curve on Cannibal or on spinning rides, the riders feel an inward force known as \_\_\_\_\_ force.
4. To measure the acceleration throughout a roller coaster ride, riders can take an \_\_\_\_\_ on the ride.
5. The attractive force between two massive bodies, which causes Lagoon's roller coasters to run, is called \_\_\_\_\_.
6. Rides at Lagoon are all slowed down by this force: \_\_\_\_\_.
7. Riders on fast rides experience \_\_\_\_\_, a type of frictional force, due to our atmosphere.
8. An egg has the same \_\_\_\_\_ both here on Earth and on the Moon, but it's \_\_\_\_\_ is less on the Moon.
9. A push or pull felt on the Lagoon rides is known as a \_\_\_\_\_.
10. \_\_\_\_\_ is felt when rapid changes in speed or direction occur.
11. If two bumper cars collide and the net external force acting on the cars is zero, the total momentum is \_\_\_\_\_.
12. \_\_\_\_\_ causes riders on spinning rides to lean when going around a bend because their bodies resist changing direction.
13. As roller coaster riders descend down the top of the hill, their \_\_\_\_\_ energy is rapidly converted to \_\_\_\_\_ energy.
14. The \_\_\_\_\_ on roller coasters cause riders to feel heavier than normal when they ride through the loops.
15. The \_\_\_\_\_ of \_\_\_\_\_ states that within a closed system, cannot be created nor destroyed, though it may change form.