

## GENERAL QUESTIONS

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

1. When a roller coaster is at the top of a hill, 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 the Cannibal 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 Cannibal experience \_\_\_\_\_, a type of frictional force, due to our atmosphere.
8. Cannibal riders have the same \_\_\_\_\_ both here on Earth and on the Moon, but their \_\_\_\_\_ is less on the Moon.
9. A push or pull felt on the Cannibal ride is known as a \_\_\_\_\_.
10. \_\_\_\_\_ is felt when rapid changes in speed or direction occur.
11. If two Cannibal cars collide and the net external force acting on the cars is zero, the total momentum is \_\_\_\_\_.
12. \_\_\_\_\_ causes Cannibal riders to lean when going around a bend because their bodies resist changing direction.
13. As the Cannibal riders descend down the top of the hill, their \_\_\_\_\_ energy is rapidly converted to \_\_\_\_\_ energy.
14. The \_\_\_\_\_ on Cannibal cause riders to feel heavier than normal when they ride through the loops.
15. The \_\_\_\_\_ of \_\_\_\_\_ states that within the boundaries of a problem, \_\_\_\_\_ cannot be created nor destroyed, though it may change form.