

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.