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.