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

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.