1. When a roller coaster is at the top of a hill, it has the most __________ energy?
2. ______________ refers to its speed and direction.
3. When riding a spinning ride, the riders feel an inward force known as __________ force.
4. ______________ is the number of repeated events per unit time.
5. Riders on the Sky Coaster feel a sense of ______________ as they begin their swinging.
6. Rocket Re-Entry, Blast Off!, Tidal Wave, Sky Coaster and the Catapult all have what physics principle in common? ______________ ______________
7. Rides at Lagoon are all slowed down by this force ______________.
8. Most waves need a ______________ to travel through.
9. The Top Eliminator race cars have the same __________ both here on Earth and on the Moon, but their ______________ is less on the moon.
10. The motors are performing ______________ on the Tidal Wave as the ride begins swinging.
11. Distance from crest to crest or trough to trough on a wave is known as the ______________.
12. ______________ is felt when rapid changes in speed or direction occur.
13. If the net external force acting on a system of objects is zero, the total momentum of the system is ______________.
14. When bumper cars hit into one another head on and bounce back, this is an ______________ collision.
15. As the roller coaster descends down the top of the hill, the __________ energy is rapidly converted to __________ energy?
16. ______________ is the average force multiplied by its time interval of action.
17. Riders on the Colossus feel heavier than normal when they ride through the loops. This is known as the ______________.