

GENERAL QUESTIONS

FILL IN THE BLANKS WITH THE WORDS IN THE GLOSSARY ON PAGE 3

1. As a roller coaster drops, it _____.
2. At the top of a roller coaster hill, you have the most _____ energy.
3. The _____ of a car from Flying Aces is the same on Earth and the Moon; the _____ is much less on the Moon.
4. The force that slows down all rides is _____.
5. The force that makes a roller coaster roll is _____.
6. A miniature golf ball hitting a hard wooden rail is an example of an _____ collision.
7. At the top of the Colossus loop, you experience negative _____ is a friction force experienced to some degree on all rides, especially the fast ones.
11. Spinning riders feel a _____ force.
12. As you go through the Colossus loop, you experience _____.
13. Because of your speed at the bottom of a roller coaster hill, you have enough _____ to climb to the top of the next hill.
14. As you revolve, your _____ is the same at the top and bottom of the Skyscraper Ferris Wheel; your _____ is in opposite directions at the top and bottom.
15. As the roller coaster is pulled up the first hill, the motors do _____.
16. If 3 crests of a wave pass by in one second, that wave has a _____ of 3/sec and a _____ of 1/3 second.
17. A water wave, in which water moves up and down vertically and the crests move horizontally, is a _____ wave.
18. The _____ SP _____ of a wave is its highest point above or below zero, and the _____ of a wave is the distance from one crest to the next.