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.