

NAME \_\_\_\_\_ DATE \_\_\_\_\_ PERIOD \_\_\_\_\_

## Physical Science: Forces and Gravity

**Discussion Questions:** Complete and hand in at the end of the class for a grade.

1. Who is credited with “discovering” gravity?  
\_\_\_\_\_
2. Define gravity.  
\_\_\_\_\_
3. What are Newton’s three laws of motion?
  - a. First Law = \_\_\_\_\_
  - b. Second Law = \_\_\_\_\_
  - c. Third Law = \_\_\_\_\_
4. Define inertia.  
\_\_\_\_\_
5. What is friction?  
\_\_\_\_\_
6. How does friction affect motion?  
\_\_\_\_\_
7. How is gravity important in space?  
\_\_\_\_\_
8. Describe how a plane’s wings help it fly.  
\_\_\_\_\_
9. What are two forces that affect those who go on amusement park rides such as roller coasters and rides that spin?
  - a. Force #1 = \_\_\_\_\_
  - b. Force #2 = \_\_\_\_\_
10. Explain one fact that you found interesting while viewing this film.  
\_\_\_\_\_  
\_\_\_\_\_

<http://player.discoveryeducation.com/index.cfm?guidAssetId=12C479E8-C26C-4578-A74C-E9F570A010F0&blnFromSearch=1&productcode=US#>