

Newton's Laws of Motion:

A. Go to the following website and read through the tutorial on Newton's Laws of Motion
<http://www.physicsclassroom.com/Physics-Tutorial/Newton-s-Laws>

Newton's First Law of Motion

- 1) What is the First Law of Motion also known as?
- 2) What is inertia? Explain it in your own words
- 3) Summarize the first law.

Newton's Second Law of Motion

- 1) Summarize the Second Law of Motion.
- 2) What is the formula for the second law?
- 3) Try the questions at the bottom of the tutorial. How'd you do? Rate your scores on a scale of 1-4 (1 = I have no idea; 4 = I'm the bomb dot com! I can do this with my eyes closed). Explain your rating.

Newton's Third Law of Motion

- 1) Summarize the Third Law of Motion.
- 2) Try the questions at the bottom of the tutorial. How'd you do? Rate your scores on a scale of 1-4 (1 = I have no idea; 4 = I'm the bomb dot com! I can do this with my eyes closed). Explain your rating. Also try the pairs on the next page to test your knowledge!

Forces

- 1) What are forces? What are the different groups? What are some forces in these groups?

2) Explain the following forces:

a. Applied Force

b. Gravity Force

c. Normal Force

d. Friction Force

3) What are Free Body Diagrams (FBD)? What are they used for?

a. Try the FBD interactive. Take a screen shot of your final results to show how you did!

3) Go back to the tutorial. Try the questions at the bottom of the tutorial. How'd you do? Rate your scores on a scale of 1-4 (1 = I have no idea; 4 = I'm the bomb dot com! I can do this with my eyes closed). Explain your rating. Also try the pairs on the next page to test your knowledge!

B. Complete the 2 hand in sheets (Newton's 2nd Law and FBD) and hand in this answer page and hand in all sheets to Ms. Pauls.