***Study Guide***

Make sure you are familiar with the following information!

**Newton’s 3 Laws**

**Balanced and Unbalanced Forces**

**Net Force**

**Friction (Rolling, Static, Sliding)**

**Inertia**

**Force of gravity on Earth accelerates at 9.8m/s2**

**There is no delay in time between action and reaction.**

[](http://www.google.com/url?sa=i&rct=j&q=newton&source=images&cd=&cad=rja&docid=vDL6cgU-jmzMEM&tbnid=Fm9iSwM1vknIWM:&ved=0CAUQjRw&url=http://www.cardinalsolutions.biz/blog/bid/194763/Inspirational-leadership-quote-Isaac-Newton&ei=FLCHUa7_KpPB4AOR_4GIAw&bvm=bv.45960087,d.dmg&psig=AFQjCNH3ILsdCx_kd5cnh_i_j3StFqPDhg&ust=1367933304953437)

**Air Resistance – upward force**

**F=MxA Problems**

**Forces always act in pairs**