***The Keyon Owens Birthday Edition DCN Extravaganza***

1) What is motion? 2) Describe the difference between displacement and distance. 3) Describe the difference between average, constant, and instantaneous speed. 4) What is acceleration? What is the difference between positive and negative acceleration? 5) What does a flat line on a speed-time graph tell me? 6) What does a steep line on a speed-time graph tell me? 7) What is momentum? What is the formula for momentum? 8) Does a stationary object have momentum? 9) What is speed? 10) When graphing the motion of an object, what goes on the X-axis and Y-axis? 11) What is inertia? Does a stationary object have inertia? 12) A truck and a bicycle have the same momentum. Which would be harder to stop? Explain. 13) Is the momentum of a car traveling south the same as the momentum of a similar car traveling north at the same speed? Explain. 14) Describe the motion of a car with an acceleration of –2 m/s2. 15) What does inertia depend on? 16) What is a force? What's the difference between the two types of forces? 17) Why would someone want to decrease friction? 18) Why would someone want to increase friction?

**You must come up with 5 DCN Questions and answers for Chapter 1 Section 4.**

**The reviews are in....**

"I missed the DCN so much during the snow days. Thanks Mr. K". - Jayla "A new way to DCN!! WOW!! I can't wait until I have to create all of my DCN's" - KJ "The best thing about going to 8th grade...the DCN's are much more challenging" - Anira "Anticipation of the DCN is almost better than the DCN itself" - Lagrant " Can we do DCN's over the summer?" - Elise "Thanks for the awesome present!!!" - Keyon