

Name:

Period:

## **Newton Scooter Summary Paper**

Please write a one or two page paper summarizing how your Newton Scooter works. Quality papers will correctly use the vocabulary terms learned during the unit (see the back of this page for an activity to help you identify which terms to use).

Your summary must include a neat diagram of your Newton Scooter. You may use a photograph instead, but either way you must label the parts of your scooter.

Papers are due at the beginning of your last science class next week, but may be submitted any time prior to that.

The paper is worth 40% of your Newton Scooter project grade.

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## **Newton Scooter Vocabulary Terms**

- This law states that the acceleration of an object is directly proportional to the force applied and inversely related to the mass of the object.
- Velocity and momentum are both \_\_\_\_\_, having magnitude and direction.
- Any push or pull is a \_\_\_\_\_.
- This law states that an object will continue to have the same motion unless an unbalanced force acts on it.
- A change in velocity is \_\_\_\_\_.
- The unit for force is a \_\_\_\_\_.
- The tendency of an object to resist acceleration is \_\_\_\_\_.
- The \_\_\_\_\_ force acts on one object and the \_\_\_\_\_ force acts on another object with equal magnitude and opposite direction.
- Speed in a direction is a \_\_\_\_\_.
- \_\_\_\_\_ is a type of force that resists the motion between two surfaces.
- This law states that every action has an equal and opposite reaction
- The units for \_\_\_\_\_ are  $\text{kg}^*\text{m}/\text{s}$ .