Review Questions:

Describing and Measuring Motion:

- A reference point is used to determine
- The rate a person or object is moving at a given moment in time
- Define acceleration
- To know velocity you need to know what?
- How do you find average speed and give an example.

The Nature of Forces

- Define force-
- What unit is used to measure force-
- Compare balance and unbalanced forces-

- 400-A force is described by what 2 things?
- What is Net Force of one boy pushing a 10 Newton box with 15 Newtons of force and another helping with 20 Newtons of force:

Friction and Gravity

- Name 4 types of friction-
- Define friction-
- Define gravity-
  Why does a golf ball weigh more than a Styrofoam ball of the same volume-

- The strength of the friction depends on 2 things-

Laws of Motion

- Define intertia-
- Define the 3 laws of motion-

- Momentum is determined by?
- Define centripetal force and relate it to a satellite
- Give an example of each law of motion
  examples) needing a seat belt in the car a bigger vehicle needing more force to stop
  a car sliding further on ice jumping off the ground
  a swimmer pushing off the wall to make a turn

Other

- 3 types of plate boundaries and describe:

- SI unit of length:
- give an example of a control, manipulated variable, and responding variable of the balloon activity.
- name the steps of the scientific method: