**Review for Motion and Forces Test**

**Motion**

**Definitions**

Acceleration

Velocity

Motion

Speed

Point of Reference

Gravity – 9.8m/s2

Parallel Circuit

Series Circuit

Know how to use a Time vs. Distance graph to distinguish between: constant speed, average speed, and a vehicle that has stopped motion.

Be able to graph data and use all labeling techniques.

Be able to calculate speed, velocity, and acceleration. Please review all practice problems we have done.

**Forces**

**Definitions**

Friction

Rolling Friction

Static Friction

Sliding Friction

Fluid Friction

Force

Balanced Force

Unbalanced Force

Gravity as it relates to mass and distance

Newton’s Laws of Motion

Mass

Weight

Know how to calculate force.

Know how to do calculations with friction.

**Review of Energy that may be on test!**

All types of energy

Pay close attention to energy transfer using potential and kinetic energy. Such as on a roller coaster!