

Quarter 1 Final Review Guide

Basic Units

Draw your Metric Steps below (use your phrase about King Henry to help):

Basic unit for - Length: _____

Basic unit for - Mass: _____

Basic unit for - Volume: _____

Convert

500 kg to _____ g

4 m to _____ mm

2.6 cL to _____ L

Newton's First Law of Motion:

Newton's Second Law of Motion:

Newton's Third Law of Motion:

Vocabulary

Inertia: _____

Force: _____

Gravity: (gravitational) _____

Net Force: _____

Mass: _____

Action Force: _____

Reaction Force: _____

Friction: _____

Acceleration: _____

Velocity: _____

Magnetism: _____

Electrons: _____

Magnetic Force: _____

Magnetic Field: _____

Current: (electrical) _____

Insulator: _____

Conductor: _____

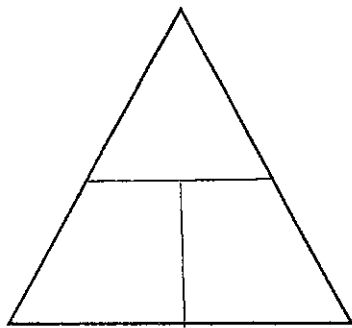
Formulas

Speed: _____

Distance: _____

Time: _____

Complete the speed formula triangle



Net Force



Line A: _____

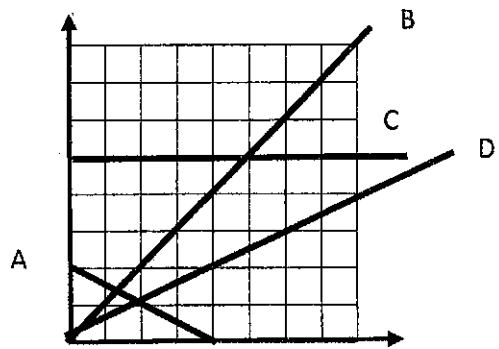
Line B: _____

Line C: _____

Line D: _____

Position Time Graphs

Explain what is happening to each line.



Line A: _____

Line B: _____

Line C: _____

Line D: _____

Magnetism and Electricity

Like charges _____; unlike charges _____

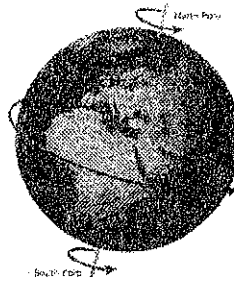
For a magnetic field to happen, _____ must be moving.

What is an electromagnet? _____

Why is the Earth like a magnet? _____

How does a compass work? _____

Draw magnetic field lines for the magnet and the Earth:



What is static electricity? _____