Name: _____ Date: _____ Period: _____

Physics Vocabulary EOCT review part 2

What kind of thermal transfer?
1. Conduction, 2. Convection, 3. Radiation

__ From the sun
__ Touching something
__ In a pot of water
__ Liquids and gases become less dense when hot
__ from electromagnetic radiation
__ in moving fluids
__ putting your hand on a hot car
__ fan cooling you down.

Friction: Match term to description

1. Rolling Friction
2. Air Friction
3. Fluid Friction
4. Sliding Friction
5. Friction

a. Resistance of a fluid on an object
b. Resistance of air pushing against object
c. Resistance of two object pushing against each other
d. Any force that resist motion
e. Resistance of a wheel.

Which of Newton's Three Laws Applies?

___ a paddle-wheel boat pushes on the water and the water pushed back to move the boat
___ a tractor trailer truck takes longer to accelerate
___ a rolling ball hit your leg hard to stop
___ a heaver animal has to use more muscle to speed up
___ you push on the wall and you don't move
___ Fighter pilot feels massive amount of force when their plane turns quickly
___ a ball won't move until it is kicked

Newton's Laws and Simple Machines Matching

1. Inertia
2. Friction
3. Gravity
4. Net Force
5. Force

a. An action that causes motion
b. Force pulling all objects towards each other.
c. Any force that resist motion
d. Total of all forces on an object
e. Ability of an object to resist change of motion.

1. Weight
2. Equilibrium
3. Mass
4. Heat
5. g

a. When all forces on an object are balanced
b. Force of gravity on an object
c. Acceleration of gravity
d. Product of friction
e. Measure of the matter in an object

Work and Energy Vocabulary Matching

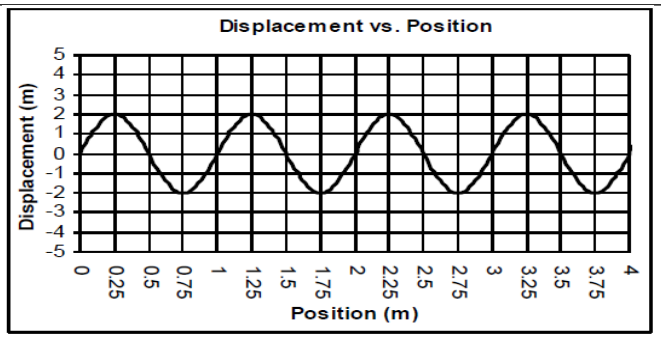
1. Energy
2. Power
3. Work
4. Kinetic Energy
5. Potential Energy

a. Uses energy and can create energy
b. Energy of motion, dependent on mass an velocity
c. Energy of position, dependent on height, mass and gravity
d. The rate of doing work, how fast you do work
e. Has the ability to create forces, stored work.

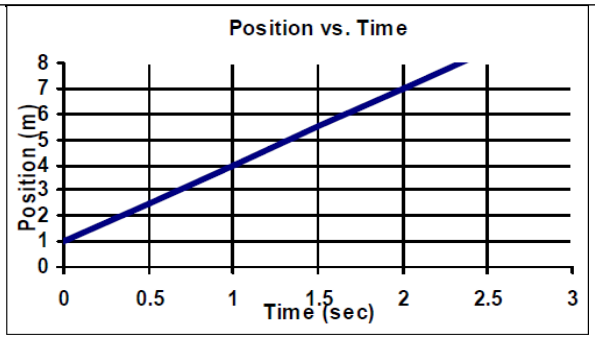
1. Thermal
2. Nuclear
3. Mechanical
4. Law of Conservation of energy
5. Chemical
6. Electrical

a. Energy of the atom being split or fused
b. Energy cannot be destroyed or created, just transformed
c. Energy of moving electrons
d. Heat energy
e. Energy store in objects and can do work
f. Energy of molecular bonds

Interpreting Graphs and Pictures

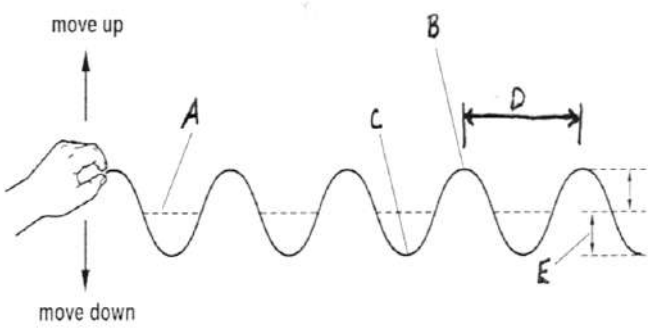


1. Mark one cycle on the wave above
2. Starting at 0.75m, where does the 2nd cycle end
3. How many cycles are in the graph
4. Calculate the length of one wave
5. Calculate Amplitude of wave



1. What is the position of the object at 4s?
2. When did the object reach 4m?
3. Find the speed of the object (show work)

Waves: identify type of wave and label the parts of each wave.

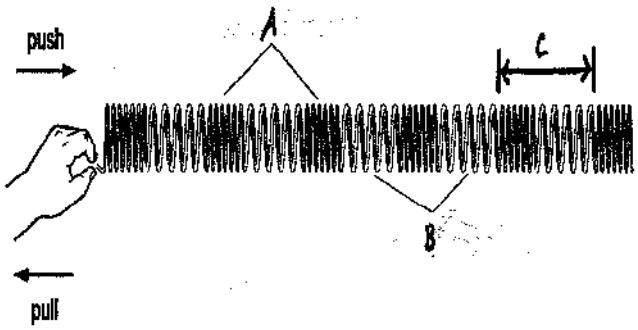


Wave type: _____

A _____ B _____

C _____ D _____

E _____



Wave Type: _____

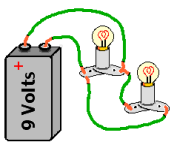
A _____

B _____

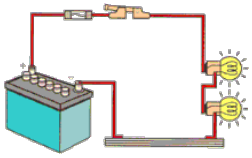
C _____

Electricity and Machines

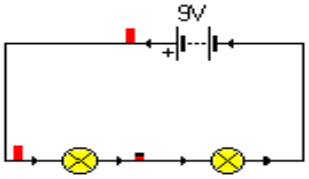
Identify circuits as Series or Parallel



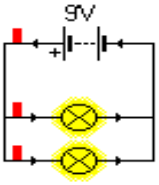
a. _____



b. _____

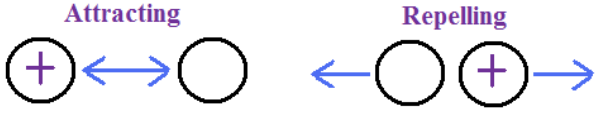


c. _____



d. _____

Complete Charges



Name and give an example of each simple machine

1. _____
   Example:
2. _____
   Example:
3. _____
   Example:
4. _____
   Example:
5. _____
   Example:
6. _____
   Example: