



AP PHYSICS 2: ELECTRICITY AND MAGNETISM

Write "T" or "F" in the box.

AP Physics 2008

- Energy is the capacity of matter to do work and disintegrate.
- Energy exists in many forms.
- Electrical energy is an important form of energy in the modern technological world.
- Television, refrigerators, radios and other appliances are examples of mechanical systems.
- Our knowledge about the properties of heat, substances and other products.
- Refrigeration systems usually require materials subjected to:
- higher than the typical ambient temperature.
- after the way, substances make use of the fact of thermal expansion.
- The first refrigerator was small and inefficient.
- Refrigeration systems are thermodynamic refrigerators.
- Many mechanical refrigerators and heat pumps operate as a compression system.
- There are many effective methods of heat conduction.
- Modern ovens and heating systems use gases or water heat.
- Electrical power is often used to heat through electric resistance.
- High voltage, multistage or multistep heat exchangers are used.
- Solar collectors and multistage water pumps.
- The complexity of heat exchangers, heat pumps and air conditioning systems is increasing rapidly.
- Electric current is a flow of charge in a circuit.
- Current is a flow of positive charges in a circuit because the speed of light.
- Electricity is a flow of positive charges in a circuit.
- An electric field is the region of space where electric forces.
- "Volt" is a measure of potential difference or electric energy.
- Potential and potential energy are related to the electric field.
- Electric fields exist.
- Conductivity is electric field.
- A circuit is a closed loop of wire that carries the current.
- There are many kinds of wires.
- A circuit is closed when it is complete by the flow of wire.
- Resistance is the opposition to the flow of electricity.
- Resistance provides the friction for the flow of electricity.
- "Volt" is a measure of energy.
- An electric field is a region of space where forces exist.
- Refrigeration is the process of removing the heat from the space and cooling the objects.