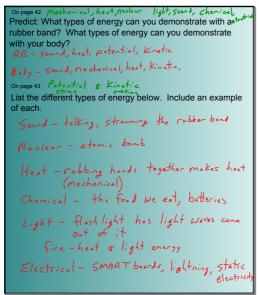
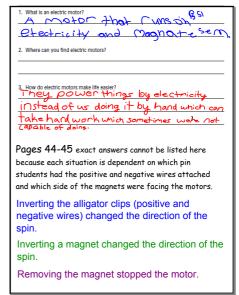


May 7-7:37 AM

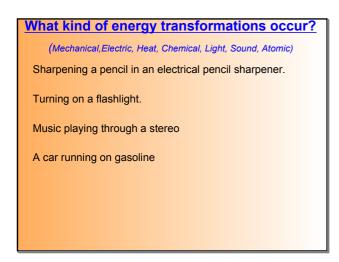
May 14-8:09 AM

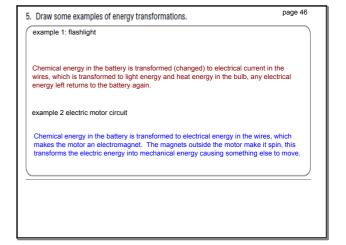


May 7-7:44 AM



May 7-8:03 AM





May 7-8:00 AM May 7-8:03 AM

page 47

- 1. done on page 46 in answering #2
- 2. Explain how an electric motor works.

The electric motor works with the flow of electric current. When the current flows through the wires, the iron core acts as a magnet (electromagnet) and is attracted or repelled by the magnets. This makes the motor spin.

3. Which part acts as an electromagnet?

The iron core (axle) of the motor acts as an electromagnet because it is wrapped in wire that has electricity flowing through it.

May 20-9:12 AM

Page 53 from lesson 7

Observe: Lab Activity Generating Electricity

Record what you observed during each of your experiments with the generator and the LED bulb.

Generators work by having a magnet move in a coil of wire OR having a coil of wire move around a magnet

May 3-7:35 PM

Vocabulary pages 48-4

Describe the role each of these parts has in a motor. What does each part do to help a motor run?

Axle - a shaft on which a wheel turns:

The bar that the rotor spins around.

Commutator - a switching device that causes a current to reverse direction: Spins and carries the current into the coil creating the magnetism in the motor.

Contacts - a connection between two conductors that lets current flow: In an electric motor the contacts touch on either side of the commutator to close the circuit.

Electromagnets - a magnet made from a coil of insulated wire wrapped around an iron core that becomes magnetized only when electric current flows through the wire:

The rotor becomes an electromagnet and pushed away from the magnets on the case that have the same charge.

Rotor - the turning part of an electrical or mechanical device

Terminals - a point at which a wire can be connected to an electrical device: These connect the power source wires with the contacts.

May 20-10:02 AM