

Indiana

4-H Club Record

Electric Project • Division II

Name _____ Grade _____ Year _____

Name of club _____ Years in club work _____

Township _____ County _____

Activities completed (*note the date completed*)

1. Magnets in Your Home _____
2. Finding a Magnet's North and South Poles _____
3. Magnetizing a Screwdriver _____
4. Seeing the Magnetic Field _____
5. Making an Electromagnet _____
6. Demonstrating Alternating Current _____
7. Finding Transformers in the Home _____
8. Magnets in Your Home _____

I have reviewed the progress of this record and believe it to be correct:

Signature of leader _____ Date _____

Questions

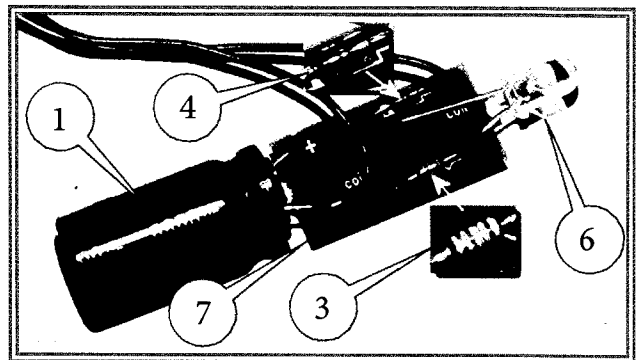
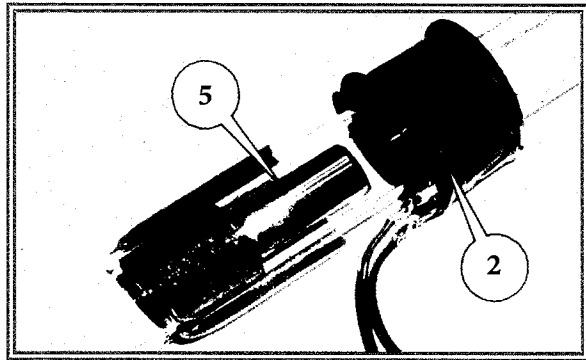
1. The "north" pole of a magnet is attracted to which of the following (check your answer): South pole of another magnet North pole of another magnet
2. Electricity that keeps changing flow direction is called _____
3. A device that can change electric energy to magnetic energy is a _____
4. Moving a large magnet back and forth inside a coil produces _____
5. A device used to hold an electric charge (store electricity) is called a _____



Indiana 4-H Electric Division II – Magnet-Powered Flashlight “What I Have Learned”

NAME _____ COUNTY _____ DATE _____

Place the number that identifies each part in front of its name and explain something about each part on the lines provided below.



- _____ Magnet _____
- _____ Coil _____
- _____ Printed Circuit Board (PCB) _____
- _____ Diode _____
- _____ Capacitor _____
- _____ Light Emitting Diode (LED) _____
- _____ Resistor _____

What parts of this project were the most interesting or fun?

What parts of this project were the most difficult?

You may add more on what you have learned or done on the backside of this page.

