

Name \_\_\_\_\_

Date \_\_\_\_\_

### Energy and Magnetism Study Guide

My Test is on Wednesday, Nov. 9, 2016

1.) Objects that are attracted to a magnet contain iron (metal)

<u>Attracted</u>	<u>Not Attracted</u>
iron nail	wood
paper clip	paper
washer	rubber band
safety pin	plastic spoon
scissors	cardboard

2.) How would you investigate whether or not items were attracted to a magnet?

I would take each item and touch it to the magnet. If it attracts to the magnet (sticks) it is magnetic. If it repels the item (does not stick), it is not magnetic.

3.) There are two poles to a magnet, north and south.

4.) When two like poles are put next to each other, they will repel.

When two different poles are put next to each other, they will attract.

5.) In order for a circuit to be complete, it has to be closed.

6.) The path (wire) needs to be connected to the bottom of the source (battery) and touch the load (light bulb) that is touching the top of the battery.

7.) A hot dog roasting on a campfire an example of - heat energy.

8.) A compass is used by people to find the direction north.