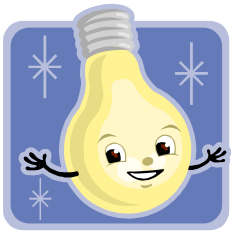
Name _____ Date _____



Electric Circuits- Conductors and Insulators

Look at the materials below. Do you think connecting them to an electric circuit tester will make the light bulb turn on? Check "yes" or "no." Then, test your hypothesis with the materials. Record your actual results.

ITEM		HYPOTHESIS		ACTUAL RESULTS (Conductor or Insulator?)
		YES	NO	
1	Golf Tee			
2	Straw			
3	Brass Screw			
4	Paper Clip			
5	Aluminum Screen			
6	Plastic Screen			
7	Chalk			
8	Pencil			
9	Brass Paper Fastener (brad)			
10	Finishing Nail			
11	Aluminum Nail (flat head)			
12	Marble			
13	Pipe Cleaner			
14	Copper Wire			
15	Aluminum Rod			

1. Analyze your results. What types of materials were able to conduct electricity?

_____

_____

2. What types of materials were NOT able to conduct electricity?

_____

_____

3. When electricity moves easily through an object, we call it a _____.
   Materials that conduct electricity are used to make wires for electrical circuits.

4. When electricity does not move easily through an object, we call it an _____.
   Materials that do not conduct electricity are helpful, too. Evaluate how these materials can be helpful to us._____

   _____