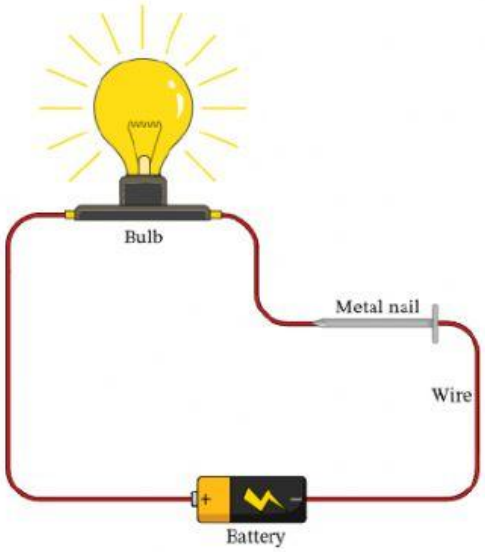
Name: _____ **Class:** _____

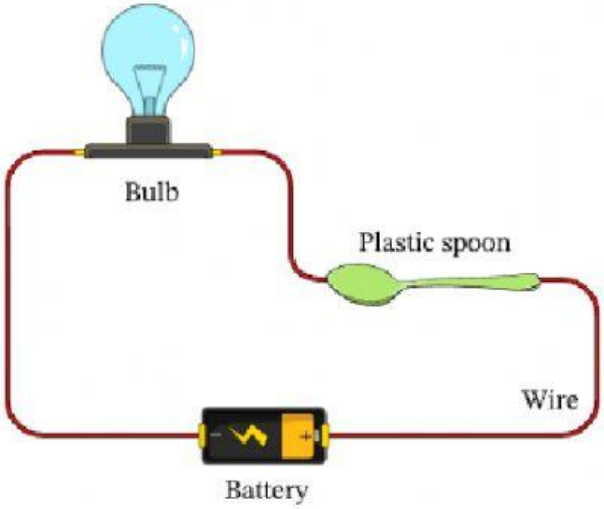
Good conductors vs. Bad conductors of electricity

1) Looking at the diagram below, how do we know that the metal nail is a conductor?



- It changes colors when electricity flows through it.
- It allows electricity to flow through it so the bulb lights up.
- It does not allow electricity to flow through it so the bulb does not light up.

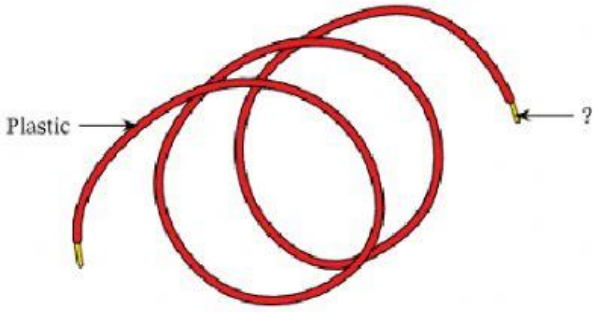
2) I have used a plastic spoon in this circuit. Is the plastic spoon a conductor?



- Yes
- No

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3) Metals tend to be good conductors while plastics are very good insulators. Look at the diagram of the wire shown and fill in the missing label with a material.



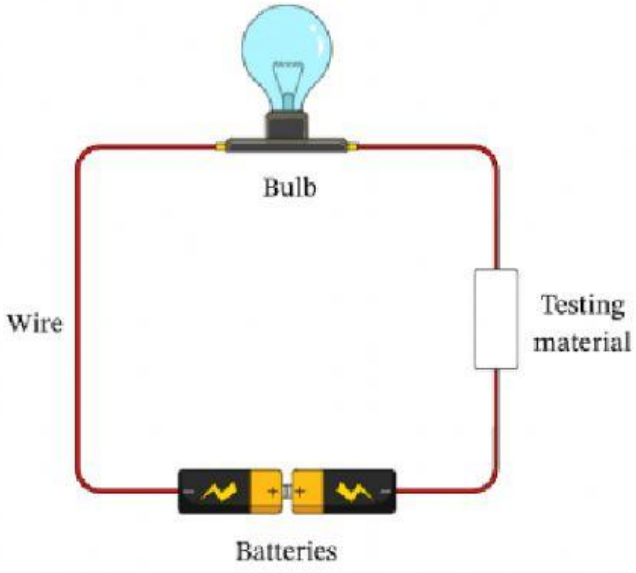
- Plastic
- Metal
- Wood

4) Fill in the blank: A material that allows electricity to flow through it easily is called an electrical ...

- gate
- insulator
- conductor

5) A class is conducting experiments in groups testing whether different materials conduct or insulate electricity. Which of the groups' circuits is properly set up for the experiment? Which of the following would be the best material to use for electric wires?

- Copper
- Glass
- Plastic



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