**Current Electricity Study Guide**

**Date of test:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

1. a. What is a circuit?

b. How do you make a *complete* circuit?

1. What has to be true for electricity to flow through a circuit?
2. What does each part of a circuit do?

Battery-

Wire-

Light bulb-

Switch-

1. What is electric current?
2. Why does an electrical cord have two bundles of wires inside it?
3. What effects are produced by electric current? Hint: there are at least 5!
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1. a. What is a conductor?

b. Which materials make good conductors?

1. a. What is an insulator?

b. Which materials make good insulators?

1. Can human beings conduct electric current? Why or why not?
2. What is an electrical hazard?
3. Name two electrical hazards that can be inside a house and two that can be outside a house.

INSIDE OUTSIDE

1. 1.
2. 2.
3. Name three things that you can do to use electricity safely.
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