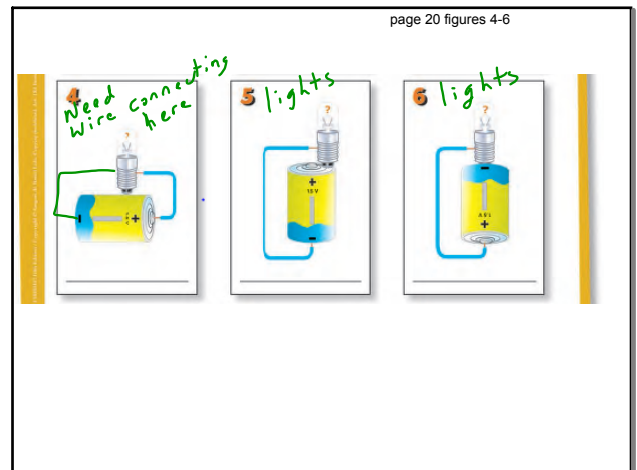
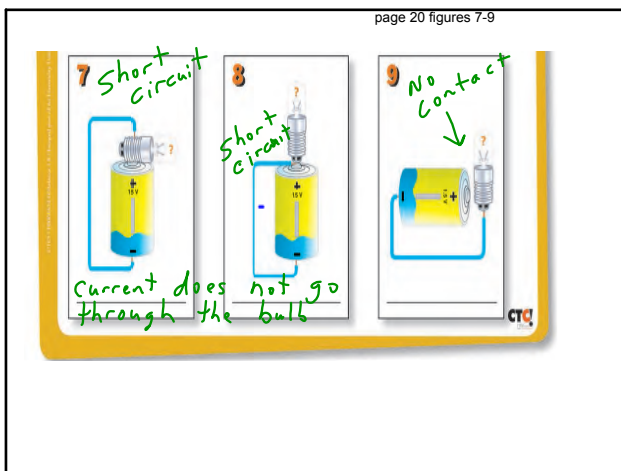


Apr 24-4:37 PM



Apr 24-4:37 PM



Apr 24-4:40 PM

page 21 Explain

1. Explain the difference between a prediction and a guess. A guess is when you don't know anything about it. A prediction is based on logic, experience, or results of testing.

2. What needs to happen in order for electricity to light a bulb? You need at least a battery (power source), a light bulb, and one wire. Then the current needs to flow by having a closed circuit: wire touching one end of the battery and the other end of the wire touching a metal part of the bulb, then the bulb needs to touch the opposite end of the battery.

Apr 29-7:28 AM

Vocabulary to add to your glossary in the notes section

Resistor - a material that slows the flow of electric current

Circuit breaker - a switch that automatically interrupts the flow of current under certain conditions

Fuse - a safety device that protects a circuit, usually by melting a wire when the current is too high

Electron - a part of an atom with a negative charge

Short circuit - a low resistance path that allows most of a current to flow directly from one pole to another

Apr 30-9:23 AM

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3. How would having two wires instead of one change any of these circuits?

4. What did this activity help you to understand about the path that electricity takes?

Apr 24-4:44 PM

Vocabulary page 23

1. Think about how open and closed circuits work and the simulation in class where you passed "electrons" around the circle. Use these ideas as you explain how electrons and resistors relate to the flow of electricity.

2. How do fuses and circuit breakers help prevent short circuits?

Apr 24-4:46 PM