

NAME: _____


DATE: _____ PERIOD: _____

Current Electricity

Instructions

Watch the video and complete the quiz. You will only be able to take the quiz one time. When you submit it, your results will be e-mailed to Mr. Meier.

Media

-  Electricity and Magnetism: Current Electricity (Full Video)

- 1. Current electricity is _____.

- A) a conductor
- B) an insulator
- C) the flow of electrons
- D) a closed circuit

- 2. A complete circuit is made of three things:

- A) An insulator
- B) a source of electrons and a path.
- C) A conductor
- D) a source of electrons and a path.
- E) A switch
-) a source of electrons and path.
-) Something to use the electricity
-) a source of electrons and a path.

- 3. Something that allows electrons to flow easily through it is called _____.

- A) an insulator
- B) a conductor
- C) a switch
- D) a current

- 4. Something that slows the flow of electrons is called _____.

- A) an insulator
- B) a conductor
- C) a switch
- D) a current

- 5. There are two types of circuits:

- A) insulators and conductors.
- B) closed and open.
- C) series and parallel.
- D) switch and current.

- **6. A short circuit happens when**

- A) electricity takes an unintended short cut.
- B) electricity stops flowing.
- C) electricity flows through a circuit.
- D) circuit breaker interrupts the flow of electricity.

- **7. A series circuit**

- A) has at least two paths for current to flow through.
- B) has one path for current to flow through.
- C) only works with two light bulbs.
- D) keeps lights on all the time.

- **8. A parallel circuit**

- A) has at least two paths for current to flow through.
- B) has one path for current to flow through.
- C) only works with two lightbulbs.
- D) keeps lights on all the time.

- **9. Good conductors have**

- A) no electrons.
- B) a small nucleus.
- C) a large number of electrons in their outer shell.
- D) a small number of loosely held electrons in their outer shell.

- **10. The main job of a circuit breaker is to**

- A) annoy people by turning off the power.
- B) protect people by preventing fires.
- C) be used as a replacement switch.
- D) overload a circuit.