

THE MECHANICAL UNIVERSE

Video 33 - Electric Circuits

Name: _____

Class: _____

1. What was Faraday's initial career choice?
2. What were all the earliest civilizations built near?
3. Electric current is measured in what unit?
4. What invention made the sustained flow of electricity possible?
5. Write the equation for Ohm's Law:
6. What did people fear would happen to those who rode on trains?
7. Do resistors allow more current to flow when in series or in parallel?
8. In the real world, what do all crystals have that causes resistance?
9. Who invented the light bulb?
10. What does the energy lost in a resistor turn into?
11. What is a Watt?
12. How much power does the average person in the U.S. use continuously?
13. Kirchhoff's rules make use of the conservation of what two quantities in a circuit?
14. What physicist was morbidly timid in front of an audience?