

THE MECHANICAL UNIVERSE
Video 31 - Voltage, Energy, and Force

Name: _____
Class: _____

1. What is voltage?
2. What does the electric potential look like in a region where it is constant?
3. What is special about the direction of the electric field compared to the electric potential?
4. In what year was the neon light invented?
5. Define electric potential:
6. How many volts do neon lights typically use to do their work?
7. What is the charge of most atoms?
8. What matters most in determining whether or not an electron can be removed from an atom:
Force or Voltage?
9. Who invented the lightning rod?
10. The amount of electric energy that a device can deliver depends on what two factors?
11. List 2 reasons why some scientists didn't believe in Dalton's theory:
12. What is all matter made of?
13. Who invented the electric battery?