1. B. Current in a circuit

II. Conductors and Insulators
   A. Conductors
   B. Insulators

III. Voltage
   A. Charges Need Energy to Flow
   B. Voltage
   C. Voltage Sources

IV. Resistance
   A. Current depends on resistance
   B. Factors that determine resistance
   C. Path of least resistance

1. Electric current is the continuous flow of electrons through a material.

2. a, b, d

3. True

4. To produce an electric current charges must flow continuously from one place to another.

5. An electric circuit

6. False

7. A. Conductor
   B. Silver, Copper, Aluminum, Iron
   C. Insulator
   D. Rubber, Sand, Plastic, Wood
8. They are bound loosely and able to move easily through a conductor.

9. The rubber coating on an appliance cord is the insulator and the metal inside is the conductor.

10. Potential energy is the energy an object has as a result of its position.

11. True

12. b, d

13. Volt

14. False (voltage does!)

15. A voltage source is a device that creates a potential difference in an electrical circuit.

16. b, c

17. Resistance is a measure of how difficult it is for charges to flow in a material.

18. True

19. ohm

20. Material used for wire, length of wire, diameter of wire, temperature of wire.

21. a, d

22. False