____ 36. A circuit that has two or more separate branches for current is a(n)
a. series circuit
b. circuit diagram
c. electron circuit
d. parallel circuit

____ 37. Which of the following shows the arrangement of atoms in material that is a magnet?

a.

c.

b.

d. There is no way to tell.

____ 38. In a parallel circuit with three bulbs,
a. current from each bulb has its own path through the circuit.
b. the bulbs must all be located on the same branch.
c. the overall resistance decreases if a new branch is added.
d. there is only one path for the current to take.

____ 39. A magnet made from iron, cobalt, or nickel is most likely a(n)
a. permanent magnet
b. temporary magnet
c. electromagnet
d. lodestone

____ 40. Lighting is
a. a low voltage electric current
b. harmless
c. a very large discharge of static electricity
d. a build up of neutrons

____ 41. The buildup of charges on an object is called
a. negative charge.
b. static discharge.
c. positive charge.
d. static electricity.

____ 42. The Earth has magnetic poles, because of this a compass needle?
a. spins around
b. always point east in one direction and west in the other
c. always points south
d. always points north

____ 43. The atoms in a magnet are
a. positively charged
b. arranged randomly.
c. negatively charged
d. aligned according to their magnetic poles.

____ 44. An example of a voltage source is a(n)
a. electric circuit.
b. magnet.
c. electrical wire.
d. battery.

____ 45. As in the case of like magnetic poles, like electric charges
a. attract each other.
b. do not interact.
c. exist in pairs.
d. repel each other.

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