

Question Completion Status:

QUESTION 11**1 points**

Saved

When a conductor cuts magnetic lines of force, a voltage is induced into the conductor. This principle is called

- a. magnetic inductance
- b. electric induction
- c. electromagnetic induction
- d. electromagnetic inductance

QUESTION 12**1 points**

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A way of determining the relationships of the motion of the conductor, the magnetic field direction, and the direction of the induced current is by using the

- a. right-hand motor rule
- b. left-hand generator rule
- c. left-hand motor rule
- d. right-hand generator rule

QUESTION 13**1 points**

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If current is flowing in a circuit containing an inductor and the power switch is opened, it is possible that a voltage spike may be created.

- True
- False

QUESTION 14**1 points**

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When a closed loop of wire cuts through magnetic flux lines, a current is induced into the loop. The current in the loop sets up a magnetic field that is in opposition to the original magnetic flux. This is essentially

- a. Lenz's law
- b. Coulomb's law
- c. Weber's law
- d. Ohm's law

QUESTION 15**1 points**

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The magnetic quantity Weber (Wb) is equal to 100,000,000 lines of flux. If a conductor cuts through 1 Weber per second (1 Wb / s), then a voltage of ____ volt(s) is induced into the conductor.

