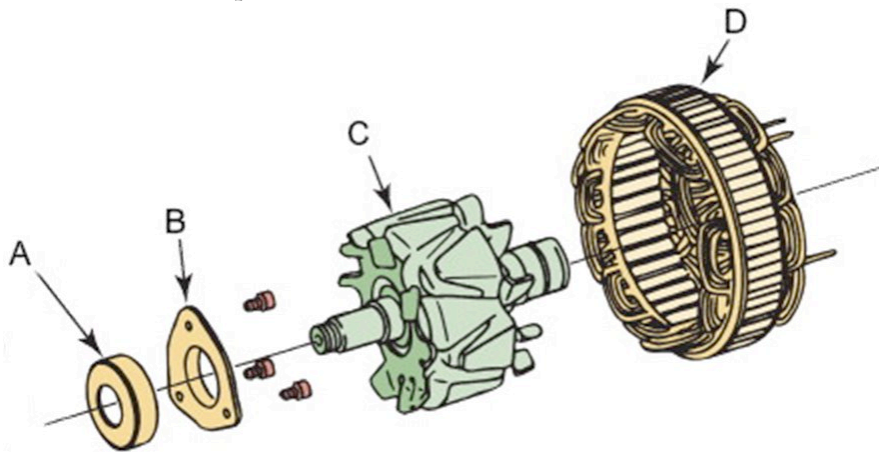


Name _____

MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

- 1) Alternators induce voltage by rotating which of these? 1) _____
A) Magnetic field inside a fixed conductor
B) Conductor around a fixed stator
C) Stator inside a magnetic field
D) Diodes inside a magnetic field
- 2) Some alternators are cooled by engine coolant. 2) _____
A) True
B) False
- 3) A duty cycle of 90% means the circuit is off most of the time. 3) _____
A) True
B) False
- 4) Technician A says that a wye-wound stator produces more maximum output than the same alternator equipped with a delta-wound stator. Technician B says that an alternator equipped with a delta-wound stator produces more maximum output than a wye-wound stator. Who is right? 4) _____
A) Technician A only
B) Technician B only
C) Both technicians
D) Neither technician
- 5) Which of these components is the stator? 5) _____



- A) A
B) B
C) C
D) D

- 6) The output of an alternator can be increased by increasing the _____ of the alternator. 6) _____
A) speed of rotation
B) number of conductors in the stator
C) current in the rotor
D) Any of these would increase the output.
- 7) Current for the rotor flows through the brushes to the _____. 7) _____
A) slip rings
B) stator
C) rotor
D) regulator
- 8) Alternator brushes are constructed from _____. 8) _____
A) copper
B) aluminum
C) silver-copper alloy
D) carbon
- 9) The GM electrical power management system has 3 modes of operation. 9) _____
A) True
B) False
- 10) The alternator output current is produced in the _____. 10) _____
A) rotor
B) stator
C) regulator
D) diodes

Answer Key

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1) A

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2) A

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3) B

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4) B

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5) D

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6) D

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7) A

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8) D

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9) B

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10) B

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