

Name _____

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

- 1) A turbulator is used to _____. 1) _____
 - A) Speed up the flow of ATF through the cooler
 - B) Causes turbulence in the cooler to more adequately mix the cooler and warmer ATF in the cooler fluid sticking to surfaces of cooler
 - C) Increase the pressure inside an ATF cooler
 - D) Purge the ATF of bubbles

- 2) Most "fill for life" automatic transmissions/transaxles use what type of ATF? 2) _____
 - A) API Group I
 - B) API Group II
 - C) API Group III
 - D) API Group IV

- 3) Why should a vehicle be towed with the drive wheels off the ground? 3) _____
 - A) To reduce the number of miles registered on the odometer
 - B) To prevent transmission damage due to lack of lubrication
 - C) To help keep the temperature of the ATF from increasing to dangerous levels
 - D) To reduce driveline (U-joints and CV joint) wear

- 4) The major advantage of using synthetic ATF is _____. 4) _____
 - A) Remains fluid at very low temperatures
 - B) Retains its color for life
 - C) Allows for smaller gear sets
 - D) Lower in cost

- 5) Which of these is NOT a function of the automatic transmission fluid in a transmission/transaxle? 5) _____
 - A) Cools transmission parts
 - B) Controls shifting
 - C) Lubricates the shift cable
 - D) Transfers power in the torque converter

- 6) Automatic transmission fluid contains additives designed to _____. 6) _____
 - A) Change the friction characteristics of the fluid
 - B) Clean the transmission
 - C) Reduce the rate of oxidation
 - D) All of these

- 7) What is the typical viscosity of automatic transmission fluid? 7) _____
 - A) 20W-20
 - B) 5W-30
 - C) 80W-90
 - D) 0W-10

- 8) What is the color of ATF? 8) _____
- A) Red
 - B) Yellow
 - C) Blue
 - D) Green
- 9) Using an additive to convert friction-modified ATF into highly-friction-modified ATF is often called _____. 9) _____
- A) ATF+
 - B) Top treatment
 - C) Friction treatment
 - D) Conversion fluid
- 10) Why is an ATF cooler used in an automatic transmission/transaxle? 10) _____
- A) Excess temperatures cause the fluid to break down
 - B) Hot ATF can form gum or varnish
 - C) Excess heat significantly shortens the life of ATF
 - D) All of the above

Answer Key

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1) B

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2) C

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3) B

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4) A

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5) C

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6) D

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7) D

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8) A

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9) B

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10) D

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