

Name: _____

Date: _____

1. What does the SAE rating of oil primarily reflect?
 - A. Oil color
 - B. Oil viscosity
 - C. Oil acidity
 - D. Oil density

2. What is the main purpose of additives in base oil?
 - A. To improve color
 - B. To improve smell
 - C. To improve viscosity
 - D. To improve durability

3. Why is the oil filter bypassed when the engine oil is cold and thick?
 - A. To increase oil pressure
 - B. To decrease oil flow
 - C. To lubricate the engine if the filter becomes clogged
 - D. To improve filtration

4. What is a critical step in performing an oil change?
 - A. Checking the air filter
 - B. Draining the old oil
 - C. Refilling with gasoline
 - D. Checking tire pressure

5. What are antiwear in oil primarily used for?
 - A. To protect the engine
 - B. To enhance color
 - C. To increase volume
 - D. To decrease cost

6. What does the "W" in SAE 5W-20 stand for?
 - A. Weight
 - B. With
 - C. Without
 - D. Winter

7. Which ACEA rating is specified for use by many European vehicle manufacturers?
 - A. A3/B3
 - B. SAE
 - C. SM
 - D. GF-4

8. What is the most common base for conventional (mineral) oil?

- A. Group I
- B. Group II
- C. Group III
- D. Group IV or V

9. What is the purpose of the oil filter antidrainback valve?

- A. To allow oil to bypass the filter if it becomes clogged
- B. To keep oil from draining out of the filter when the engine is off
- C. To allow oil to bypass the filter when hot, to cool the oil
- D. None of these

10. Oil change intervals specified by the vehicle manufacturer are generally:

- A. Maximum time and mileage intervals
- B. Minimum time and mileage intervals
- C. Only include miles driven between oil changes
- D. Generally only include time between oil changes

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Chapter 19

Multiple Choice Quiz A

Answer Key

1. B

2. C

3. C

4. B

5. A

6. D

7. A

8. B

9. B

10. A