

Name: _____

Date: _____

1. What is the primary function of the engine's lubrication system?

- A. Ignition of fuel
- B. Cleaning the engine
- C. Reducing friction and wear
- D. Combusting fuel

2. Which term describes a lubrication condition where there's minimal contact between moving parts due to a thin oil film?

- A. Boundary Lubrication
- B. Hydrodynamic Lubrication
- C. Dry Lubrication
- D. Viscous Lubrication

3. What role does engine oil play in relation to piston rings?

- A. Ignites the piston rings
- B. Helps to seal piston rings
- C. Increases friction between piston rings and cylinder walls
- D. Cools the piston rings to sub-zero temperatures

4. Which component in the lubrication system helps to pump and circulate oil?

- A. Radiator
- B. Oil Filter
- C. Oil Pump
- D. Thermostat

5. What type of lubrication occurs when the engine is under a heavy load and at low speeds?

- A. Boundary Lubrication
- B. Hydrodynamic Lubrication
- C. Viscous Lubrication
- D. Dry Lubrication

6. Which component in the lubrication system removes contaminants from the oil?

- A. Radiator
- B. Oil Filter
- C. Oil Pump
- D. Windage Tray

7. What is the primary purpose of an oil cooler in the lubrication system?

- A. To heat the oil
- B. To filter the oil
- C. To cool the oil
- D. To store excess oil

8. Which term describes a lubrication system where oil is stored in a separate tank outside the engine?

- A. Dry Sump System
- B. Boundary Lubrication System
- C. Wet Sump System
- D. Hydrodynamic Lubrication System

9. Which component in the lubrication system typically prevents oil from being whipped into a foam by the rotating crankshaft?

- A. Radiator
- B. Oil Filter
- C. Oil Pump
- D. Windage Tray

10. Engine oil additives primarily serve to:

- A. Change the color of the oil
- B. Improve the smell of the oil
- C. Enhance the properties of the oil
- D. Increase the volume of the oil

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Chapter 20

Multiple Choice Quiz A

Answer Key

1. C

2. B

3. B

4. C

5. A

6. B

7. C

8. A

9. D

10. C