

Name: _____ Date: _____

1. What is the primary function of wheel bearings?
 - A. To control the positioning of vehicle wheels
 - B. To increase the rolling resistance of vehicle wheels
 - C. To support the vehicle's weight
 - D. To absorb shock from the road

2. What is a symptom of a defective wheel bearing?
 - A. A decrease in vehicle speed
 - B. A squealing noise when turning
 - C. A hum or growling noise that increases with vehicle speed
 - D. A clicking noise during acceleration

3. What is the term for the indentations caused by the impact of loads or vibration when the bearing is not turning?
 - A. Scoring
 - B. Spalling
 - C. Brinelling
 - D. Galling

4. What is the recommended way to detect a possible defective wheel bearing?
 - A. By visually inspecting the bearing
 - B. By grasping the coil spring and rotating the wheel
 - C. By listening for noise with a stethoscope
 - D. By measuring the temperature of the hub

5. What can cause a wheel speed sensor diagnostic trouble code to be set?
 - A. Incorrect tire size
 - B. Incorrect wheel alignment
 - C. Incorrect bearing installed
 - D. Incorrect brake pad material

6. What is a common symptom of a vehicle being overloaded?
 - A. Increased fuel efficiency
 - B. Reduced braking performance
 - C. Bearing overload
 - D. Enhanced steering response

7. What is the result of a heavy load causing an indent in the race of a bearing?
 - A. Brinelling
 - B. Hardening
 - C. Smoothing
 - D. Polishing

8. What is the cause of noise that remains the same over different road surfaces?

- A. Tire issues
- B. Wheel bearing defects
- C. Brake problems
- D. Suspension faults

9. What is the effect of a loose wheel bearing on the brake pedal?

- A. It causes the brake pedal to become firmer
- B. It causes the brake pedal to sink
- C. It has no effect on the brake pedal
- D. It causes the brake pedal to vibrate

10. What is the term for the process of metal breaking up into small chips, slabs, or scales?

- A. Corrosion
- B. Oxidation
- C. Spalling
- D. Erosion

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Chapter 97

Multiple Choice Quiz A

Answer Key

1. A

2. C

3. C

4. B

5. C

6. C

7. A

8. B

9. B

10. C