

Automotive Technology 7<sup>th</sup> Edition  
Chapter 28: Camshafts and Valve Trains  
Short Answer Quiz

Name: \_\_\_\_\_ Date: \_\_\_\_\_

1. Describe the primary function of a camshaft in an engine.

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2. How does the camshaft lobe aid in the functioning of the valves?

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3. List three mechanisms by which a camshaft can be driven.

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4. What is the term used for the design in which the camshaft is located in the engine block?

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5. How are camshafts supported in the 'cam-in-block' design?

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6. Differentiate between pushrod engines and overhead valve (OHV) engines in terms of camshaft location.

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7. Where are overhead camshafts typically located in an engine?

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8. Explain the overhead camshaft (OHC) design in relation to its placement in the engine.

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9. What classification is given to an engine that has a single overhead camshaft for each bank of cylinders?

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10. What component ensures the valve closes after the camshaft rotates off of the lobe?

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