

TASK: Test your knowledge in internal combustion engines by taking the quiz below. Select the correct answer.



Quiz - How an internal combustion engine works

1. Which of the following components can be found in the cylinder head?

camshaft, valve bucket and connecting rod

valve return springs, valves and piston

valves, spark plugs and injectors

2. Which is the correct order of the engine strokes?

1. intake - 2. exhaust - 3. Compression - 4. power

1. intake - 2. compression - 3. power - 4. exhaust

1. power - 2. intake - 3. compression - 4. exhaust

3. How many degrees of rotation the crankshaft does in a complete engine cycle (4 strokes ICE)?

360°

540°

720°

4. What does TDC and BDC mean ?

Top Dead Core and Bottom Dead Core

Tip Dead Center and Base Dead Center

Top Dead Center and Bottom Dead Center

5. Which type of energy transformation is performed in an ICE?

Thermal to Mechanical

	Hydraulic to Mechanical
	Mechanical to Thermal
6. What does ICE mean?	
	Internal Combustion Engine
	Interior Combustion Engine
	Internal Compression Engine
7. When the spark is generated (for a gasoline engine)?	
	Exactly when the piston reaches TDC
	Towards the end of the compression stroke but before the piston reaches TDC
	After the piston passes the TDC
8. How many piston strokes are in a complete engine cycle (in a modern passenger vehicle)?	
	4
	3
	5
9. During which stroke the engine is consuming energy?	
	exhaust, intake and power
	compression, power and exhaust
	intake, compression and exhaust
10. Where the combustion chamber is being created?	
	between piston, cylinder head and engine block
	between connecting rod and piston
	between exhaust valve and intake valve