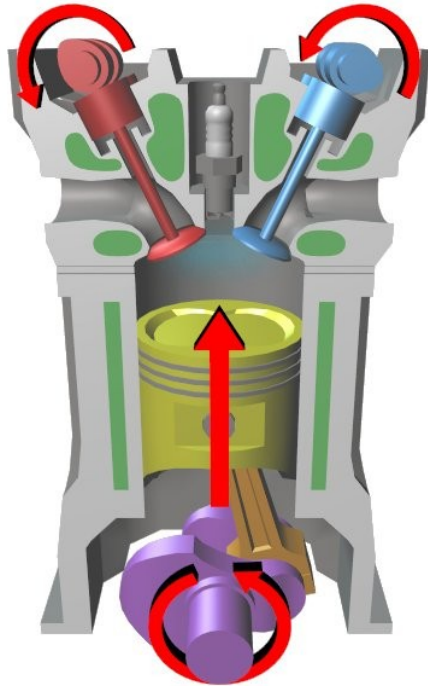


Revision – self test questions



1. Define the term “combustion”.
2. Which of the four strokes is represented by the diagram opposite?
3. On the diagram, label the following components:
 - a) Piston head
 - b) Crankshaft
 - c) Valves (2)
 - d) Cams (2)
 - e) Spark plug
 - f) Bore
4. If the crankshaft is rotating at 1,200 rpm, at what speed are the cams rotating?
5. If the crankshaft is rotating at 1,200 rpm, how many strokes does each piston complete in one second?
6. What does BDC mean?
7. What is valve lead?
8. What is the function of the distributor?
9. Give two reasons why aero engines have two spark plugs per cylinder.
10. What is the advantage in adding extra cylinders to an engine design?
11. Complete the table below. The first entry has been completed for you.

<i>Stroke number</i>	<i>Stroke name</i>	<i>Piston direction</i>	<i>Inlet valve</i>	<i>Exhaust valve</i>	<i>Spark?</i>
1	Induction	Down	Open	Closed	No
2					
3					
4					

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