



Post-Visit Activity

Matching Exercise

Name _____

Standard Cylinder Type Engine Parts

1. Spark plug 6 This turns the piston's up and down motion into circular motion just like a crank on a jack-in-the-box does.
2. Valves 7 This part surrounds the crankshaft, it contains some amount of oil, which collects in the bottom of the sump (the oil pan).
3. Piston 5 This connects the piston to the crankshaft. It can rotate at both ends so that its angle can change as the piston moves and the crankshaft rotates.
4. Piston rings 3 This is a cylindrical piece of metal that moves up and down inside the cylinder.
5. Connecting rod 1 This part supplies the spark that ignites the air-fuel mixture so that combustion can occur.
6. Crankshaft 2 The intake and exhaust valves open at the proper time to let in air and fuel and to let out exhaust.
7. Sump 4 These rings provide a sliding seal between the outer edge of the piston and the inner edge of the cylinder. They prevent fuel from leaking into the sump.