

Definition Match

Match each word from the word bank to one of the definitions

Octane rating	stoichiometric ratio	detonation
Pre-ignition	dieseling	emissions
Spark knock	fuel rail	MAP sensor

- 1) Distributes fuel to injectors while ensuring that reserve fuel is available for engine operations **fuel rail**
- 2) Air to fuel ratio 14:7:1 **stoichiometric ratio**
- 3) Used by the ECU to determine air pressure in the inlet manifold **MAP sensor**
- 4) Measures the ability of petrol to resist knocking or pinging **octane rating**
- 5) Carbon build up in combustion chamber could cause air fuel mixture to ignite before the timed spark **pre-ignition**
- 6) The result of the burning process in the engine discharged through the vehicle exhaust **emissions**
- 7) Increased heat and pressure will cause the fuel mixture to combust by itself **detonation**
- 8) Incorrect ignition timing causing the spark plug to fire too soon in relation to the correct piston position **spark knock**
- 9) An overheated engine can cause the air fuel mixture to ignite without the use of voltage at the spark plug. **dieseling**