

Animation Worksheet: Exhaust Gas Temperature (EGT) Sensor

Name: _____ **Date:** _____

1. Exhaust Gas Temperature sensors are an _____ part of modern diesel exhaust systems.
2. These sensors are mounted at _____ locations to monitor temperatures at various points in the system.
3. The pre-turbo EGT sensor measures the temperature of the exhaust gases before they enter the _____.
4. The sensor provides a _____ reading of the temperature to the Engine Control Unit (ECU).
5. The pre-diesel oxidation catalyst sensor measures the temperature of the gases entering the _____.
6. The temperature at which full conversion of exhaust hydrocarbons occurs is known as the _____ temperature.
7. By monitoring the temperature difference between two sensors, the ECM can confirm the _____ light-off.
8. The sensor also acts as a pre-diesel _____ temperature sensor.
9. When soot buildup reaches a certain point, the ECU commands a _____ event to burn off the collected soot.
10. EGT sensors help protect the DPF _____ from damage caused by excessive combustion temperatures.