

THE DIFFERENCES BETWEEN PETROL AND DIESEL ENGINES - KEY

<https://www.youtube.com/watch?v=r1K7JIAz9WY>

1. What do petrol/gasoline and diesel engines have in common?

They operate on the same 4 stroke cycle

2. What are the 4 strokes?

1. Intake 2. Compression 3. Power 4. Exhaust

3. What is the first difference between petrol and diesel engines mentioned in the video?

They ignite the air and fuel in a different way

4. What does a ratio of 10:1 mean?

It means that when the piston is at its lowest point there is ten times as much volume as when it's at its highest point

5. How is a petrol engine ignited?

Petrol engines use less compression and is ignited by the spark plug.

6. What happens on a diesel car when you press on the accelerator pedal?

The fuel injectors supply more diesel to create more power.

7. Fill in the blanks with the correct words:

The higher **compression** ratio, longer stroke and typically **higher** turbo boost **pressure** of a diesel also allows it to produce more torque at **lower** RPM than a **petrol** engine, meaning that less **fuel** is **needed** to move a car.