



 **Engine:** This is like the heart of the car. It makes the car go by using fuel. When the engine runs, it gives power to the car to move.

 **Wheels:** These are the round parts at the bottom of the car that touch the road. The wheels help the car roll and drive.

 **Steering Wheel:** This is the part you hold to turn the car left or right. It helps the driver guide the car in the direction they want to go.

 **Pedals:** Cars have pedals that the driver presses with their feet. The main pedals are the brake pedal, the accelerator (or gas pedal), and in some cars, a clutch pedal for changing gears.

 **Brakes:** These are special parts that help the car stop. When you press the brake pedal, the car slows down or stops.

 **Seats:** These are where people sit inside the car. Some cars have front seats and back seats for passengers.

 **Headlights:** These are the lights at the front of the car that help you see when it's dark. They also help other drivers see you.

 **Tail Lights:** These are the red lights at the back of the car. They show when you're stopping or turning so other drivers know what you're doing.

 **Windows:** These are the glass parts that let you see outside the car. They can roll up and down so you can get fresh air or stay warm inside.

 **Doors:** These let people get in and out of the car. They open and close to keep everyone safe inside.

 **Fuel Tank:** This is where you put the fuel (like gasoline) to make the car go. It's usually found at the back of the car.

How the Engine Works

The engine is like the heart of the car. It takes fuel, usually gasoline, and burns it to create power. Here's how it works in simple steps:

- 1. Fuel and Air Mix:** The engine mixes gasoline with air.
- 2. Spark:** A spark from a spark plug lights the fuel and air mix.
- 3. Explosion:** The mix burns and makes a small explosion.
- 4. Push:** This explosion pushes a part called a piston.
- 5. Turn:** The piston moves up and down, which turns a crankshaft.
- 6. Power:** The turning crankshaft gives power to the car's wheels.

So, the engine turns fuel into power, making the car go!

Traditional cars run on gasoline, which produces harmful gases that contribute to air pollution and climate change. This is why we need a new generation of cars. Electric and hybrid cars produce less or no harmful gases, making the air cleaner and helping to slow down global warming. Also, they can be more cost-effective because they use electricity, which can be cheaper than gasoline.

Electric Cars

Electric cars use electricity instead of gasoline to make the car go. They have a big battery that stores electricity. Here's how they work:

- 1. Battery:** The battery stores electricity.
- 2. Motor:** The electricity powers an electric motor.
- 3. Wheels:** The motor makes the wheels turn.

Electric cars need to be charged by plugging them into an electric outlet.

Hybrid Cars

Hybrid cars use both gasoline and electricity to make the car go. They have a gasoline engine and an electric motor. Here's how they work:

- 1. Gasoline Engine:** The engine uses gasoline to make power.
- 2. Electric Motor:** The motor uses electricity from a battery.
- 3. Switching:** The car can switch between the engine and the motor, or use both together.

Hybrid cars save fuel by using the electric motor when possible.