



Fuel

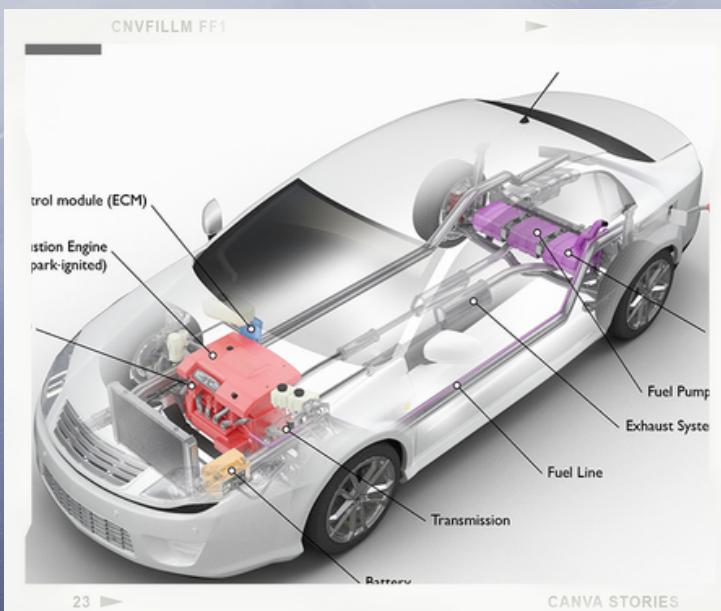
conventional cars use gasoline. Gasoline is the most common automobile fuel and is used all over the world to power cars, motorcycles, scooters, boats, lawnmowers, and other machinery. Its stored in the fuel tank of the car. There is two types of fuel its either petrol or diesel.

where is the energy wasted?

In gasoline-powered vehicles, most of the fuel's energy is lost in the engine, primarily as heat. Smaller amounts of energy are lost through engine friction, pumping air into and out of the engine, and combustion inefficiency.

CONVENTIONAL CAR HOW DOES A CAR WORK?

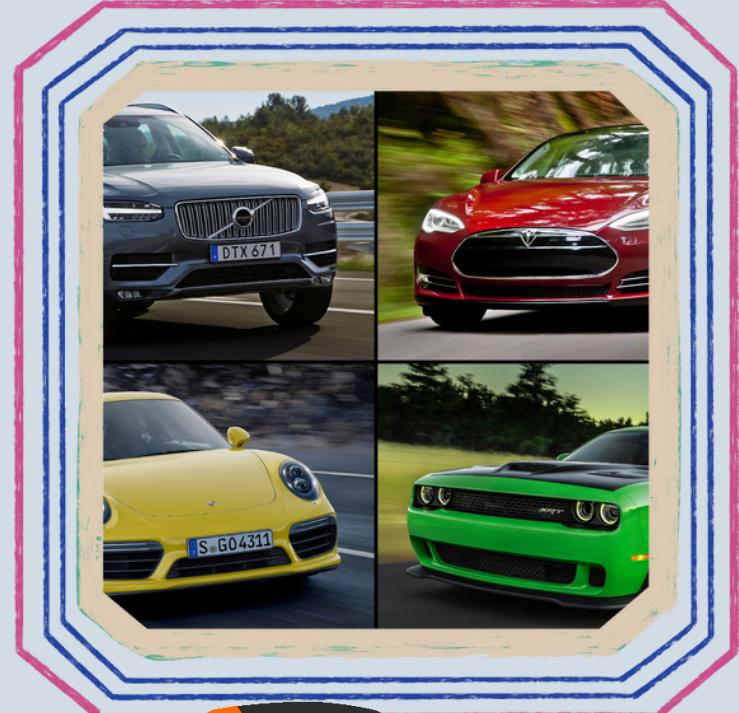
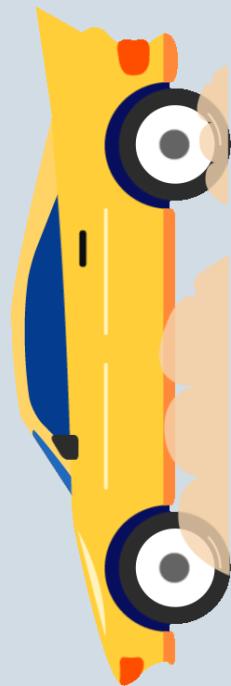
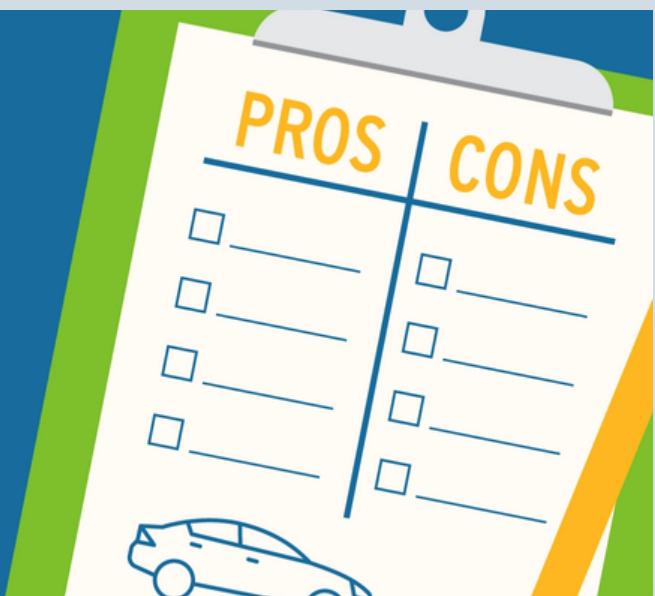
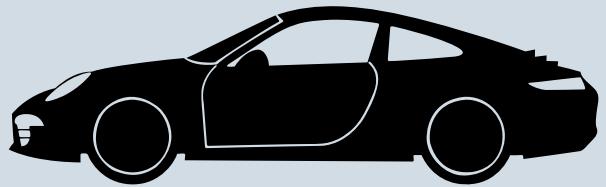
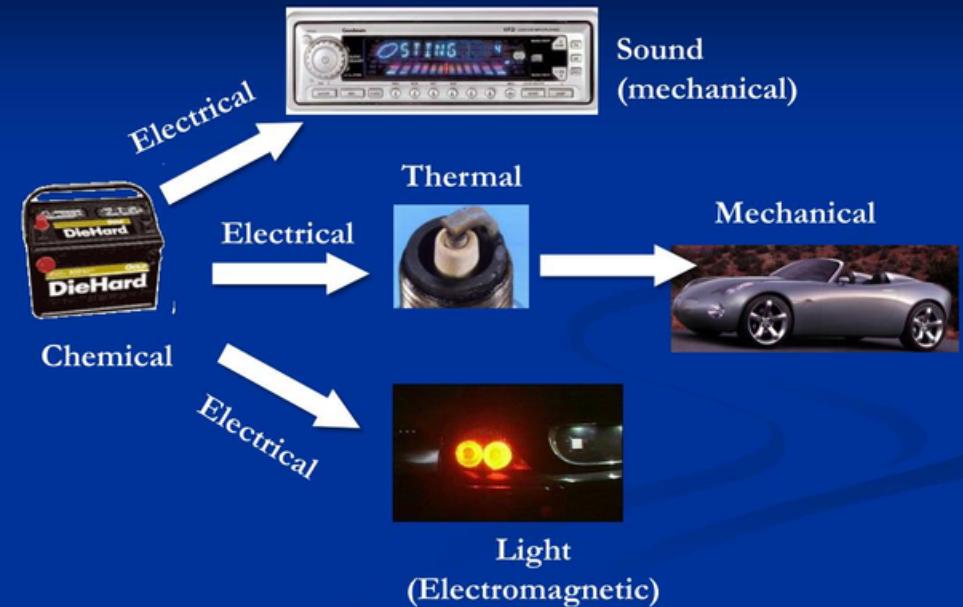
Most cars are powered by internal-combustion engines. In such an engine a mixture of air and gasoline enters a tube-like cylinder through valves. There the mixture makes small explosions. Each explosion produces gases that expand rapidly and push against a device called a piston on one end of the cylinder. The piston goes up and down as the gases expand and contract. Rods connected to the pistons convert that movement into the power that eventually turns the wheels. Most car engines have four to eight cylinders.



IMPACT ON ENVIRONMENT

Burning gasoline and diesel fuel creates harmful byproducts like nitrogen dioxide, carbon monoxide, hydrocarbons, benzene, and formaldehyde. In addition, vehicles emit carbon dioxide, the most common greenhouse gas.

Energy Transfer



Pros

- Better power
- Economic price tag
- Low maintenance cost
- Better agility (acceleration and speed)

Cons

- Harmful emissions
- Low mileage
- Gas vehicles have tailpipe emissions.
- Con: Gas vehicles contribute to toxic waste. Leftover oil, fluid, etc. is not biodegradable



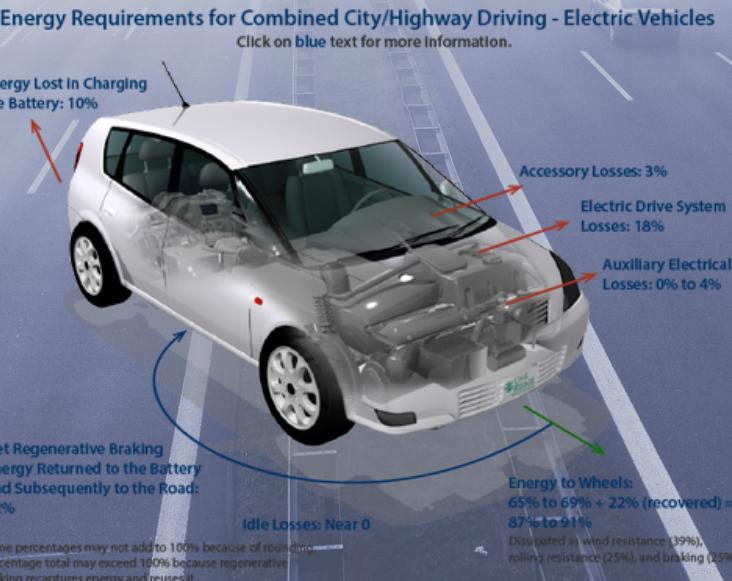
about fuel?

electric cars use electric batteries instead of gasoline



how dose it work?

Plugging an electric vehicle into a charging station allows it to draw power from the grid. They power an electric motor, which rotates the wheels, by storing the electricity in rechargeable batteries. Electric automobiles feel lighter to drive because they accelerate more quickly than cars with conventional fuel engines.



Electric car



where is the energy waste?

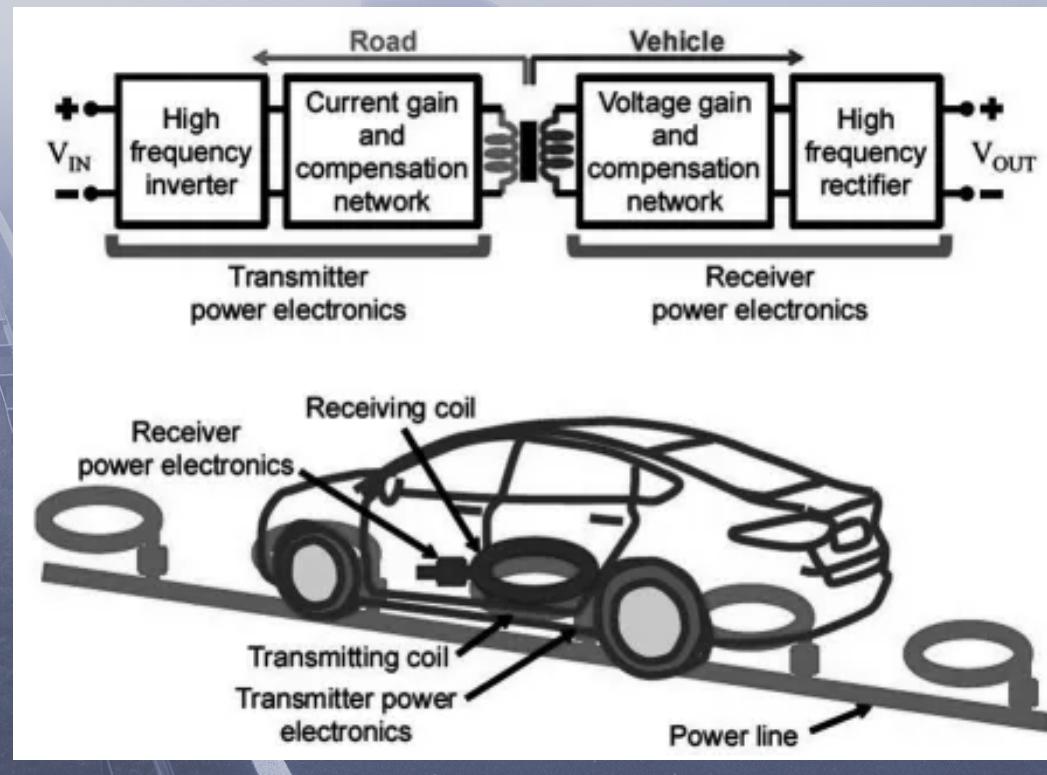
Ausfahrt

Heat is lost from the use of more than 60% of the energy. Engines waste gasoline while idling or operating at very low outputs compared to their design capacity, and engines at low output achieve very low efficiency, particularly while driving in cities.

Effect on environment?

Since they don't generate dangerous tailpipe pollutants such as particles (soot), volatile organic compounds, hydrocarbons, carbon monoxide, ozone, lead, and different oxides of nitrogen, electric automobiles help to minimise local air pollution, especially in urban areas.

pros	cons
<ul style="list-style-type: none">• advantages of electric cars• Electric vehicles' drawbacks• Electric cars reduce emissions• Electric cars require lower maintenance	<ul style="list-style-type: none">• Electric cars can't travel as far• "Fuelling" takes longer• Electric cars are sometimes more expensive



comparison of environment impact ?

studies shows that in making electric car it creates more emission than gasoline car but studies also show that by using electric cars you can also reduce the amount of gases that creates pollution meaning electric cars are abit better impact on environment than gasoline.

Electric vs. Gas

