Pros and Cons of Gasoline

Vocabulary

Ex. 1. *Complete the sentences with the given words:*

pcv, cylinder, oil, combustion, intake, inlet, plug, heat, rod, piston, filter, brake (2), drive, tubular, exhaust, stabilizer, coolant, converter, fuse

The mechanic replaced the worn _____(1) ring in the engine.

I need to replace the old spark _____(2) in my car's ignition system.

The _____(3) chambers of this engine are designed for maximum efficiency.

The engine will _____(4) up quickly in hot weather.

The _____(5) system needs to be checked for leaks.

The mechanic found a crack in the _____(6) head and had to replace it.

A small rock got caught in the _____(7), causing the engine to malfunction.

During the _____(8) stroke, the air-fuel mixture is drawn into the cylinder.

The mechanic located the _____(9) box and replaced the blown fuse.

When replacing a _____(10) fuse, make sure the new one has the correct rating.

The air _____(11) is clogged and needs to be changed regularly for better performance.

Low _____(12) pressure can cause serious damage to the engine.

The catalytic _____(13) is responsible for reducing harmful emissions.

The _____(14) valve needs to be replaced to maintain proper air flow in the engine.

The _____(15) level is low and needs to be topped up to avoid overheating.

The _____(16) pads need to be replaced as they are completely worn out.

The drum _____(17) system in older cars is not as efficient as disc brakes.

A damaged tie _____(18) will affect the steering and handling of the vehicle.

Installing a _____(19) bar will improve the stability of the vehicle while turning.

The all-wheel _____(20) system is an important part of the vehicle's drivetrain.

Reading

Ex. 1. *Read the text.*

Pros and Cons of Gasoline

Gasoline, also known as petrol, is one of the most widely used fuels in the world. It powers our cars, motorcycles, and other vehicles. However, like any other resource, gasoline has its pros and cons.

One of the biggest advantages of gasoline is its energy density. Gasoline contains a high amount of energy per unit volume, which means that it can store a lot of power in a relatively small space. This makes it ideal for powering vehicles because it allows them to carry enough fuel to travel long distances without refueling. Moreover, gasoline engines are also more efficient than electric motors when it comes to converting stored energy into usable work. As a result, gasoline-powered vehicles tend to have a longer range and better acceleration than their electric counterparts.

Another advantage of gasoline is its convenience. Unlike electric cars, which need to be charged for hours before they can be used, gasoline vehicles can be refueled in a matter of minutes. This makes it easy to take long trips, as drivers only need to stop briefly at gas stations to fill up their tanks. In addition, gasoline is readily available in most parts of the world, so drivers don't have to worry about running out of fuel in remote areas or during power outages. The widespread availability of gasoline

also means that there are many service stations where drivers can get their vehicles repaired or serviced if needed.

Despite its advantages, gasoline has several drawbacks. One of the biggest disadvantages of gasoline is its impact on the environment. Burning gasoline releases carbon dioxide (CO2) and other greenhouse gases into the atmosphere, contributing to global warming and climate change. In addition, gasoline contains harmful pollutants such as nitrogen oxides (NOx) and volatile organic compounds (VOCs), which can cause smog and respiratory problems. Furthermore, extracting, refining, and transporting gasoline requires a significant amount of energy and can lead to environmental damage, such as oil spills and habitat destruction.

Another disadvantage of gasoline is its price volatility. Gasoline prices can fluctuate widely due to factors such as changes in oil supply and demand, geopolitical tensions, and natural disasters. This can make it difficult for consumers to budget their expenses and plan their travel. Moreover, the high cost of gasoline can put a strain on people's finances, especially those with low incomes or who rely heavily on their vehicles for work or other essential activities.

In conclusion, gasoline has many advantages, such as its high energy density and convenience. However, it also has several disadvantages, including its impact on the environment and price volatility. As concerns about climate change and air pollution grow, there is increasing interest in alternative fuels and technologies that can reduce our dependence on gasoline and mitigate its negative effects.

Ex. 2. *Answer the questions.*

1. What is the advantage of gasoline's energy density when it comes to powering vehicles?

2. How does the convenience of gasoline compare to electric cars in terms of refueling time?

3. Why is the widespread availability of gasoline beneficial for drivers?

4. What are some environmental drawbacks of using gasoline as a fuel?

5. How can burning gasoline contribute to global warming and climate change?

6. What are some harmful pollutants released by gasoline combustion?

7. Why can gasoline prices be difficult for consumers to budget and plan for?

Communication

Ex. 1. *Make sentences using the following words:*

1. check/oil/levels

2. brakes/replaced/soon

3. fuel/engine/require

4. air conditioning/working

5. stereo system/not working

6. issues/transmission

7. tires/rotated/often

8. battery/died/jumpstart

9. speed limit/road/GPS

10. take/tune-up/maintain