

THE EFFECTS OF AUTOMOBILE ON THE ENVIRONMENT

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Cars are essentials to everyone's life, but they cause so much damage to the environment. Car pollutants cause immediate & long-term effects on the environment. Car exhausts emit a wide range of gases and solid matter causing global warming, acid rain and harming the environment and human health.

Air pollution may be described as contamination of the atmosphere by gaseous, liquid and solid wastes or by-products that can danger human health and welfare of plants and animals, attacks materials, reduce visibility and produce undesirable orders. Although some pollutants are released by natural sources like volcanoes, coniferous forests and hot springs, the effect of this pollution is very less as compared to that caused by emission from industrial sources power and heat generations. waste disposal the operation of internal combustion engines .Fuel combustion is the largest contributor to air pollutant emissions, caused by man, with stationary and mobile sources.

Automobiles affect the environment in many ways. Impacts begin when a vehicle is manufactured the production of all the parts and materials that go into and end with its scarp page in a junkyard can recycle many parts but as involves the disposal of over the life of an average motor vehicle, however, much of the environment damage occurs during driving and is greatly associated with fuel consumption .Over the dozen or so years of the vehicles life nearly 90% of life cycle (Cradle to grave)greenhouse gas production for a typical automobile is due to fuel consumption.

Most of the environment impact associated with motor vehicles occurs when they are used due to pollution in their exhaust and pollution associated with supplying the fuel. In some areas, various alternative fuels are being introduced but these are not widely available for the most drivers when gasoline, diesel or no other fuels are burned in car engines, combustion is never perfect and so mix of hazardous pollutants comes out the tailpipe.

Automobile in 21st century –

Automobiles have become a primary and major foundation of mass transportation in the 21st century. Everything about our society and culture has developed around this essential form of transportation. The automobile has a significant impact on different aspects of life with the increased production of automobiles people demand improvements in the roads should be paved for the purpose of creating better condition of driving. The local and state government also formulated regulation to protect citizens and control traffic. In fact a huge development occurred in cities with the increased use of automobile.

Effect of Automobiles On Common People –

In the later half of 21st century, both sexes male and female have become more similar in their usage and access to cars. One of the major elements influencing the increasing demand of automobiles, particularly cars is income. Although income is not the only influence that shapes the norms of modern society it seems that it is their dominant factor.

Toxic substances such as carbon dioxide and carbon monoxide are emitted when fuels such as gasoline and diesel oil are burned in automobiles. These substances cause a variety of environmental problems such as air pollution and global warming.

1) Air , Soil & Water –

The effects of car pollution are widespread, affecting air, soil and water quality. Nitrous oxide contributes to the depletion of the ozone layer, which shields earth from harmful ultraviolet radiation from the sun. Sulphur dioxide and nitrogen dioxide mix with rainwater to create acid rain, which damages crops, forests and other vegetation and buildings. Oil and fuel spills from cars and trucks seep into the soil near highways and discarded fuel and particulates from vehicle emissions contaminate lakes, rivers.

2) Human Health –

Particulate matter hydrocarbons, carbon monoxide other car pollutants harm human health, Diesel engines emit high levels of particulate matter, which is airborne particles of soot and metal. These cause skin and eye irritation and allergies and very fine particles lodge deep in lungs, where they cause respiratory problems. Ozone inflames lungs, causing chest pains and coughing and making it difficult to breathe. Carbon monoxide, another exhaust gas, is particularly

dangerous to infants and people suffering from heart disease because it interferes with the blood's ability to transport oxygen. Noise from cars is also harmful, hearing and causing psychological ill health.

❖ Reducing Car Pollution –

There are several ways that car and truck owners can reduce the effects of car pollutants on the environment. Old and poorly maintained vehicles cause most pollution from cars, but electric hybrid and other clean fuel efficient cars have a reduced impact. When buying a new car, check the fuel economy and environment label. High ratings mean low pollution levels. Maximize fuel economy by removing all unneeded items such as roof racks, driving steadily rather than accelerating quickly and breaking hard. Keep your vehicle well maintained with regular tune-ups and tyre checks and leave the car at home whenever you can walk, bike and use public transportation when possible.

◆ Leaving Green-

Leaving Green is a life style requiring a combined individual and community effort to promote a healthy natural environment that can sustain future generations. By using energy star efficient appliances, planting trees, buying local organic products, creating community gardens and parks, reusing materials, participating in recycling programs and using green energy such as hydro-solar and wind power, pollution can be significantly reduced.

Individual action such as properly insulating a home, walking and riding a bike, car pooling and turning off lights in rooms that aren't in use will also reduce air pollution.