



# FUEL CONSERVATION

## FUEL CONSERVATION :

- Is an integral part of **ENERGY CONSERVATION** platform
- Is an effort to conserve or restrict the use of limited resources
- Encompasses efforts to increase fuel efficiency, reduce fuel consumption and switch to more sustainable fuel alternatives.



# FUEL CONSERVATION

Example of fuel efficiency.

Driving with higher mileage per liter of fuel

Fuel conservation and efficiency are both energy reduction techniques.

It also helps reduce air pollution.



# FUEL CONSERVATION

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POLLUTANTS EMITTED IN THE EXHAUST GASES FROM MOTOR VEHICLES.

- HYDROCARBONS
- CARBON MONOXIDE
- NITROGEN OXIDES
- CARBON DIOXIDE

HOW MUCH EXHAUST DOES A CAR PRODUCE?



# FUEL CONSERVATION

ENVIRONMENTAL PROTECTION  
AGENCY (EPA) ESTIMATES IN ONE  
YEAR:

EMITTED BY THE AVERAGE  
PASSENGER CAR:

34.97 kgs. of HYDROCARBONS

260.82 kgs. of CARBON MONOXIDE

17.33 kgs of NITROGEN OXIDES

5,193.63 kgs of CARBON DIOXIDE





# FUEL CONSERVATION

ENVIRONMENTAL PROTECTION  
AGENCY (EPA) ESTIMATES IN ONE  
YEAR:

EMITTED BY THE AVERAGE LIGHT  
TRUCK:

81.65 kgs. of HYDROCARBONS  
387.37 kgs. of CARBON MONOXIDE  
25.31 kgs of NITROGEN OXIDES  
7,273.35 kgs of CARBON DIOXIDE





# FUEL CONSERVATION

## EFFECTS OF AIR POLLUTANTS :

- NITROGEN OXIDES BECOMES NITROGEN DIOXIDE, AN ELEMENT OF SMOG.
- CARBON MONOXIDE IS A
  - A POTENTIALLY LETHAL POISON
  - A GREENHOUSE GAS
  - AN ELEMENT IN THE CHEMICAL REACTION THAT CREATES SMOG
- CARBON DIOXIDE CONTRIBUTES TO GLOBAL WARMING.

# *Driving Tips*



1. Check that tires are properly inflated.

- Check if the four tires are not flat.



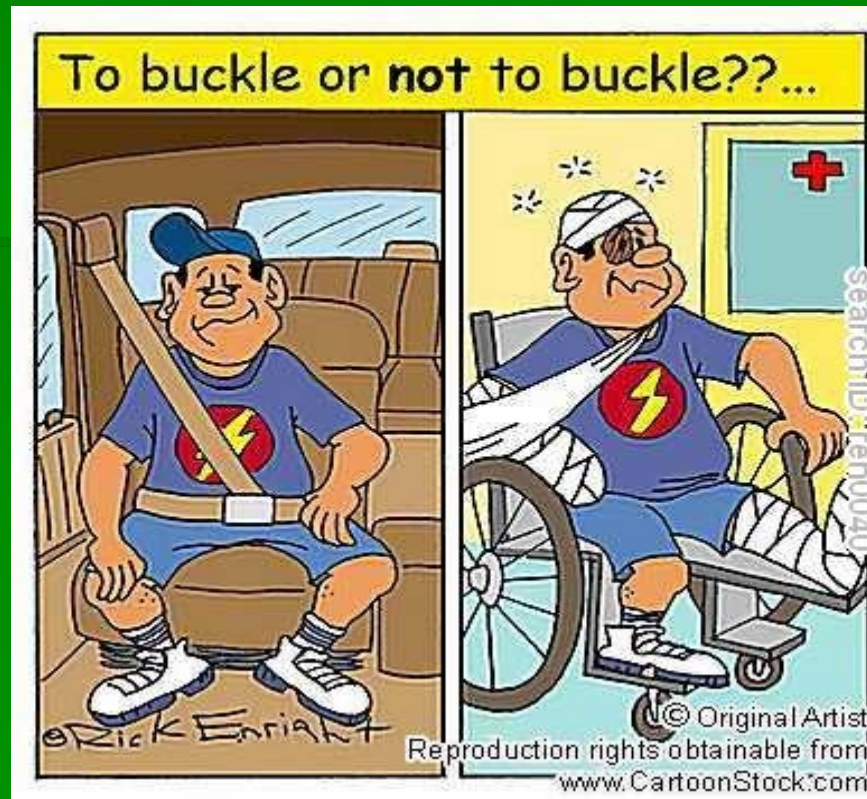


2. Check if all mirrors are properly adjusted for your use.

- Reduce your blind spots.



# 3. Wear seatbelts at all times.



4. Avoid tailgating.

# 4. Don't talk on a mobile phone while driving.

- Phones distracts you from concentrating on the road and increases your chance of a collision.



5. Left most lanes are fast lanes or for passing only.

- If the vehicle behind you is honking, give way.





# FUEL CONSERVATION

TRIVIA:

HOW MANY VEHICLES ENTER  
NPC GATE IN THE SPAN OF 12  
HOURS BETWEEN 6am TO  
6pm?





# FUEL CONSERVATION

# THANK YOU!