



**BHAVANS PUBLIC
SCHOOL, DOHA-
QATAR**

ECO CLUB-2018-19

PRESENTATION



ENERGY CONSERVATION

**"SAVE TODAY SURVIVE
TOMORROW"**

Causes of
energy
pollution and
environment
degradation





Deforestation

- Cutting down of trees
- Food
- Medication
- Ecological processes



Vehicle pollution



transport services are responsible for over a third of the globe's greenhouse gas emissions.



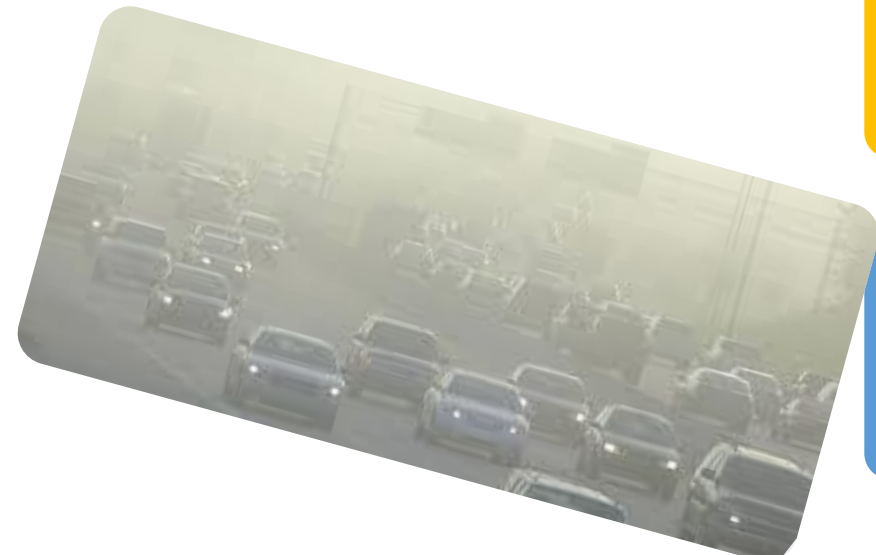
Not forgetting accidents caused by vehicles which take over 1.1 million lives every year.



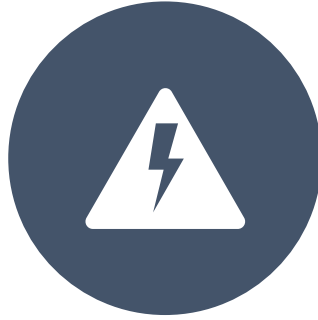
Noise pollution



Harmful gases



Oil drilling



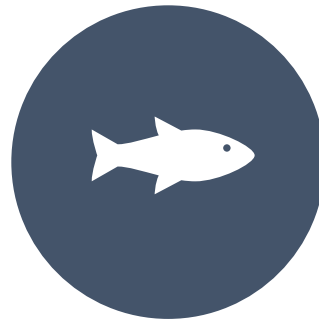
1. SPILLS CAUSE THE MOST DAMAGE



[OIL SPILLS](#) HAVE HUGE FINANCIAL EFFECTS;



THEY INTERRUPT TRANSPORTATION AND INJURE INHABITANTS SUCH AS THE 2010 GULF OF MEXICO BLOWUP.



WHEN BIRDS AND OTHER SEA CREATURES GET OILED, THEY LOSE THEIR POTENTIAL OF HUNTING FOR FOOD FOR THEIR SURVIVAL.



SPILLS ALSO EXPOSE INDIVIDUALS TO SEAFOOD THAT IS NOT SAFE FOR CONSUMPTION.





Litter has a lot of negative effects; it can cause the interference of water paths.



Dumping of plastics improperly causes them to flow towards water



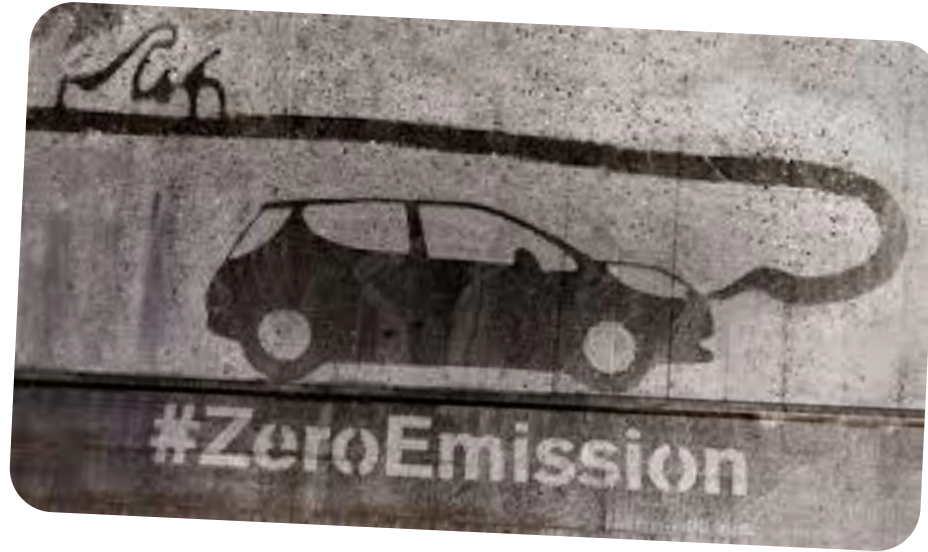
Sewage pipes



After some time, the litter ends up clogging up the filters placed in the pipes,

8. Littering

Graffiti and the use of aerosols

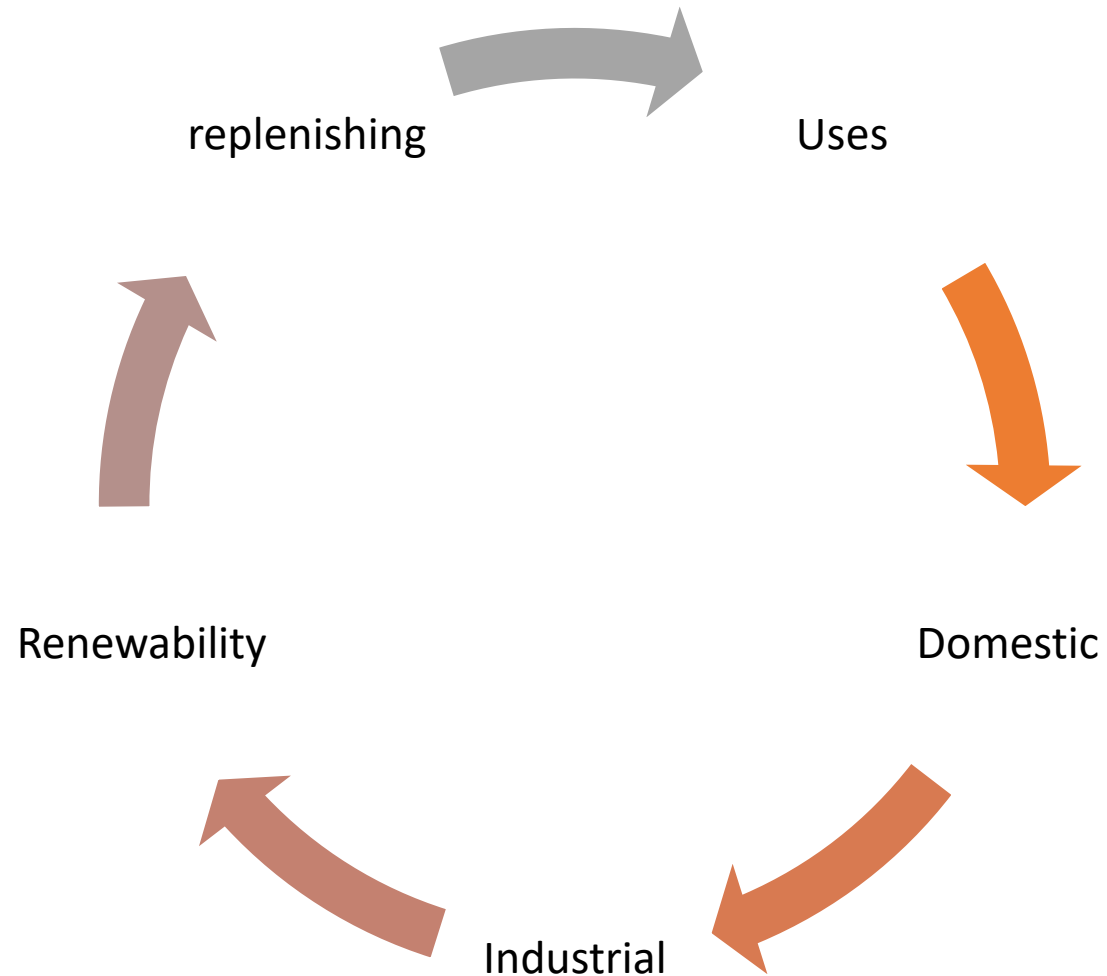


The use of graffiti and aerosols is poisonous to the environment.

Fumes are released.

Adds to diseases(VOCs).

Water resources conservation



Conserving water why is it important



Importance of Water Conservation



Fresh, clean water is a limited resource



people should take steps to conserve water

Main benefits of saving water



1. Less use of natural resources like Fossil fuels for making of fresh water.



2. To balance the ecology.



3. avoid drought in the coming future.



4. use in agriculture.



5. future generations

ILL EFFECTS OF ENERGY WASTAGE



Offshore drilling generates waste substances like bilge water and chemical by-products.



The United States Environmental Protection Agency (EPA) controls such wastes



At occasions, however, the industries release the waste substances minus treating them.

3. Unsafe waste disposal

4. Effects on the ocean floor

- Offshore drilling physically interrupts the seabed environment and the benthic group



- The Great Barrier Reef, the Gulf of Mexico and arctic are all exceedingly diverse ecological units with considerable oil and gas deposits.

Environmental Impact of Oil and Gas Drilling



1. Emissions to the air



In countries such as [Norway](#), oil and gas industries are the main source of [greenhouse gas emissions](#).



It produces volatile organic compounds (VOCs)

2. Burning of gas and light pollution

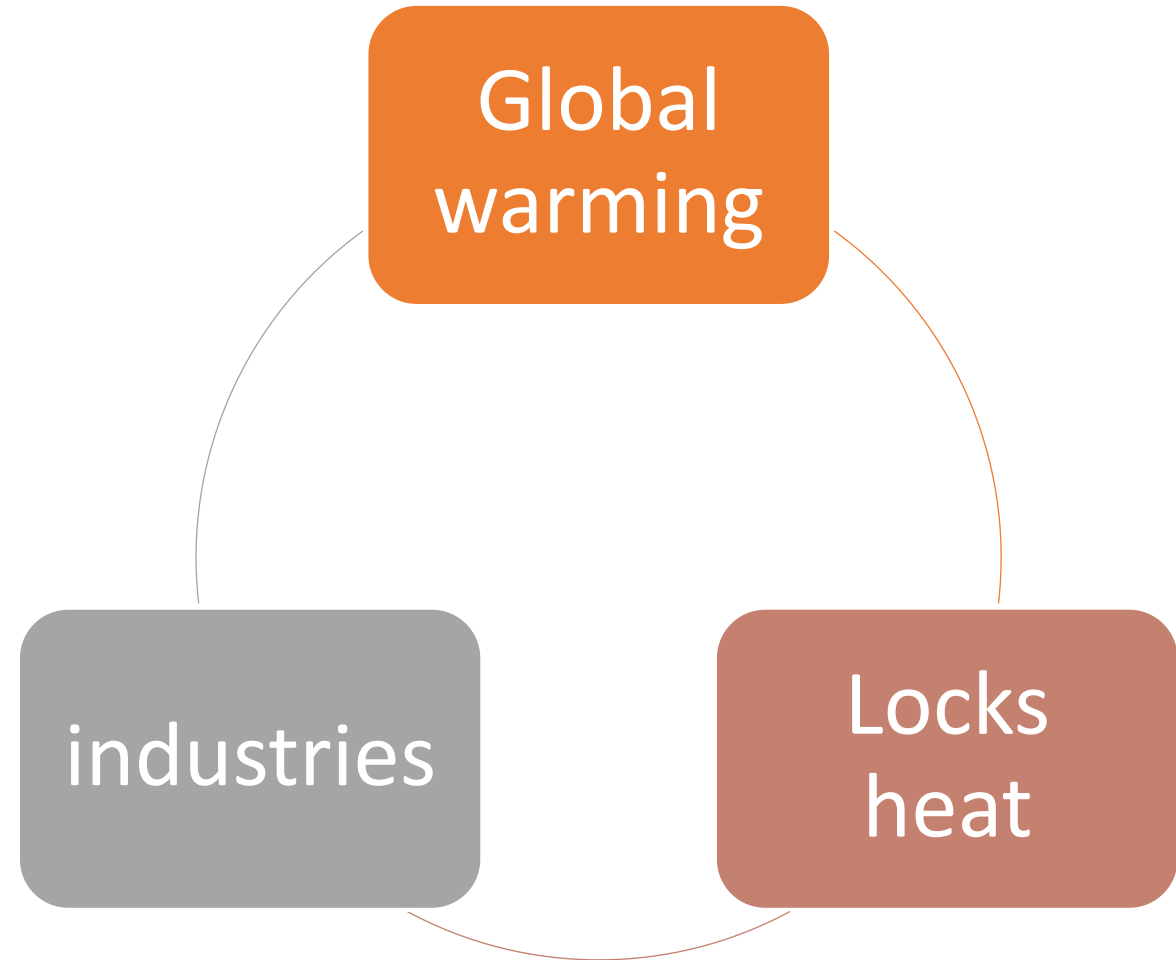


DESTRUCTION OF NATURAL BEAUTY



THE GLARE OF OIL AND GAS BOOM IN THE UNITED STATES CAN BE SEEN FROM SPACE, ACCORDING TO NASA.

4. Unsafe methane emissions contribute to modification of the environment



5. Disrupting wildlife migration paths and habituations



NOISE POLLUTION



WILD ANIMALS TEND TO ACT IN
RESPONSE TO NOISE TURBULENCES
WITH EVASION ACTIONS.

8. Climate change

- The burning of petroleum leads to a rise in the quantity of carbon dioxide emissions and other [greenhouse gases](#).
- Increases heat
- Global warming



- The by-products react with the environment producing ozone and other [greenhouse gases](#). The negative effects as a result of [increase in air pollution](#) cause a rise in temperatures.
- Blanket gets destroyed slowly

9. Waste oil

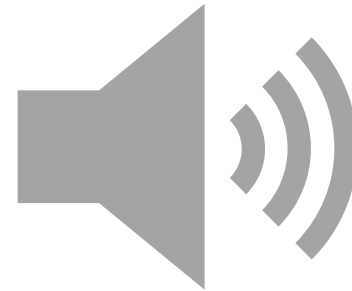
- Impurities
- extracted petroleum are also associated with waste oil ends up travelling into water channels.
- Contamination of water bodies



2. Unwanted sonic turbulences



Offshore searching teams mostly use air guns to send sound signals into water bodies



Dolphin and other aquatic animals use sound to search for food, communication and travelling, the loud sound waves can interrupt their daily lives.

Why energy conservation?

- Increased financial capital, environmental quality, national security, personal security and human comfort.
- Our earth , our mother, our responsibility.



How energy conservation?

- Increased efficient energy use
- Decreased energy consumption
- Reduced consumption of conventional sources.
- Government departments:
 - DECC
 - CLG



- Energy conservation :

A) At home

B) In the community

C) Industry and other places

D) In transportation sector

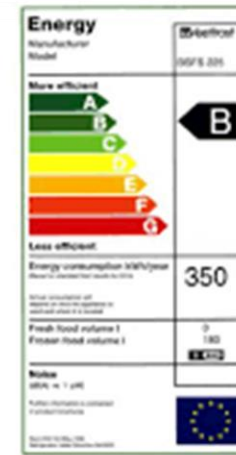


Energy Conservation at Home

1. Adjust your day-to-day behaviours.
2. Replace your light bulbs.
3. Use smart power strips



- 4. Purchase energy efficient appliances



- 5. Install energy efficient windows

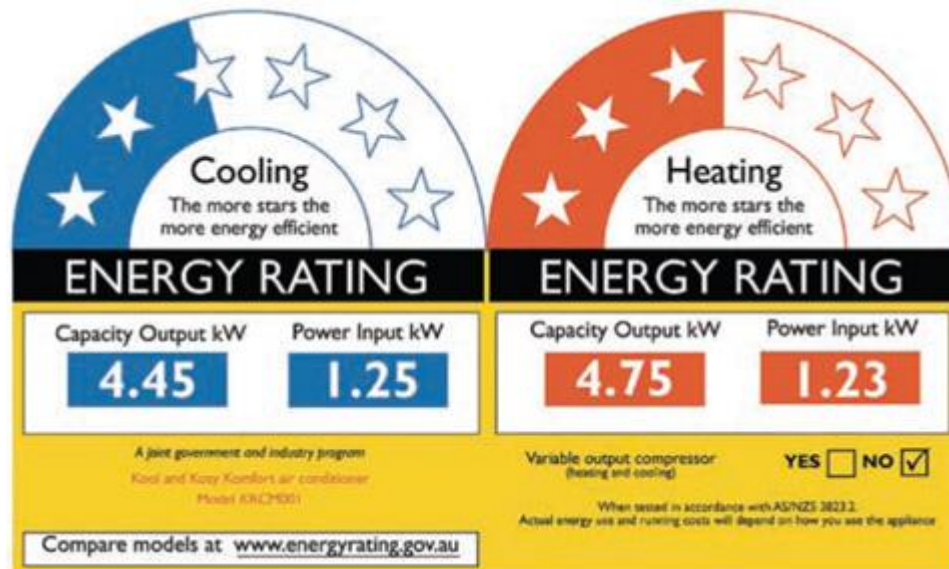


- 6. Utilize natural light



7. Use less hot water.

8. Make sure your air conditioning and heating units are **ENERGY STAR** models



Energy Conservation At Community Level

1. Bring out the energy rangers in you and create awareness.



2. Make community level eco-clubs and nature clubs.



- Hold discussions with your rural or urban administration, to bring out the best energy saving through the direct involvement.
- Hold energy conservation week and associated events.



Energy Conservation in Industries

1. Preheat combustion air with waste heat
2. Use variable speed drives on large boiler combustion air fans with variable flows.
3. Use back pressure steam turbines to produce lower steam pressures.
4. Use more-efficient steam desuper heating methods.

- 4. Ensure process temperatures are correctly controlled.
- 5. Improve burner design, combustion control and instrumentation.
- 6. Ensure that the furnace combustion chamber is under slight positive pressure.



Energy Conservation In transportation:

1. Don't use your private vehicles extensively.

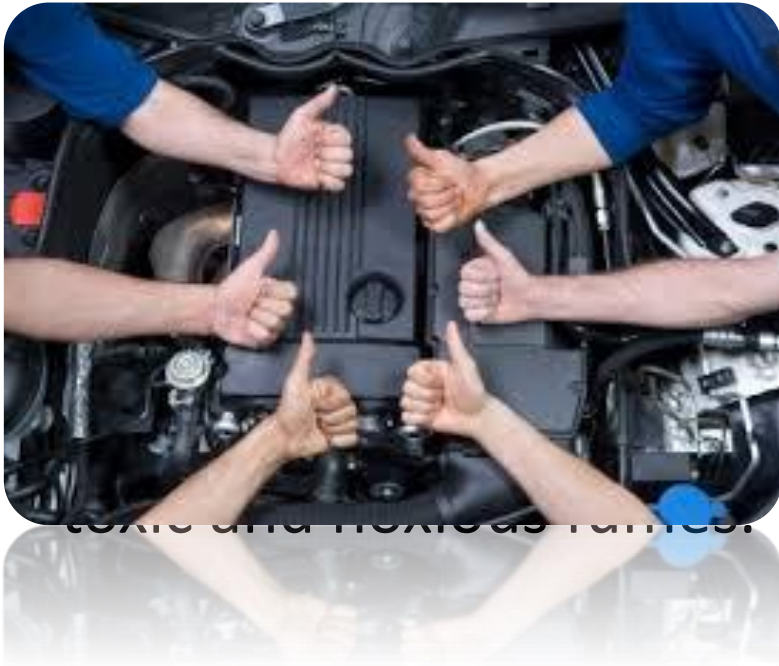


2. Try to use public transportation whenever possible.



3. Remove extra BOOT weight in the car.

- 3. Keep automobiles fuel filters clean and save the fuel.



4. Don't forget to keep your vehicle

When a vehicle is running well,
it uses nine per cent less fuel and

.

- 5. Don't use clutch pedal as footrest.
- 6. Beyond one minute, it is more fuel – efficient to restart your car.



7. Maintain recommended tyre pressure.

WE DID IT!

**LET'S DO IT AGAIN
TOMORROW**

memegenerator.net