



urjalid  
#FlipTheSwitch

Electrical

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Energy

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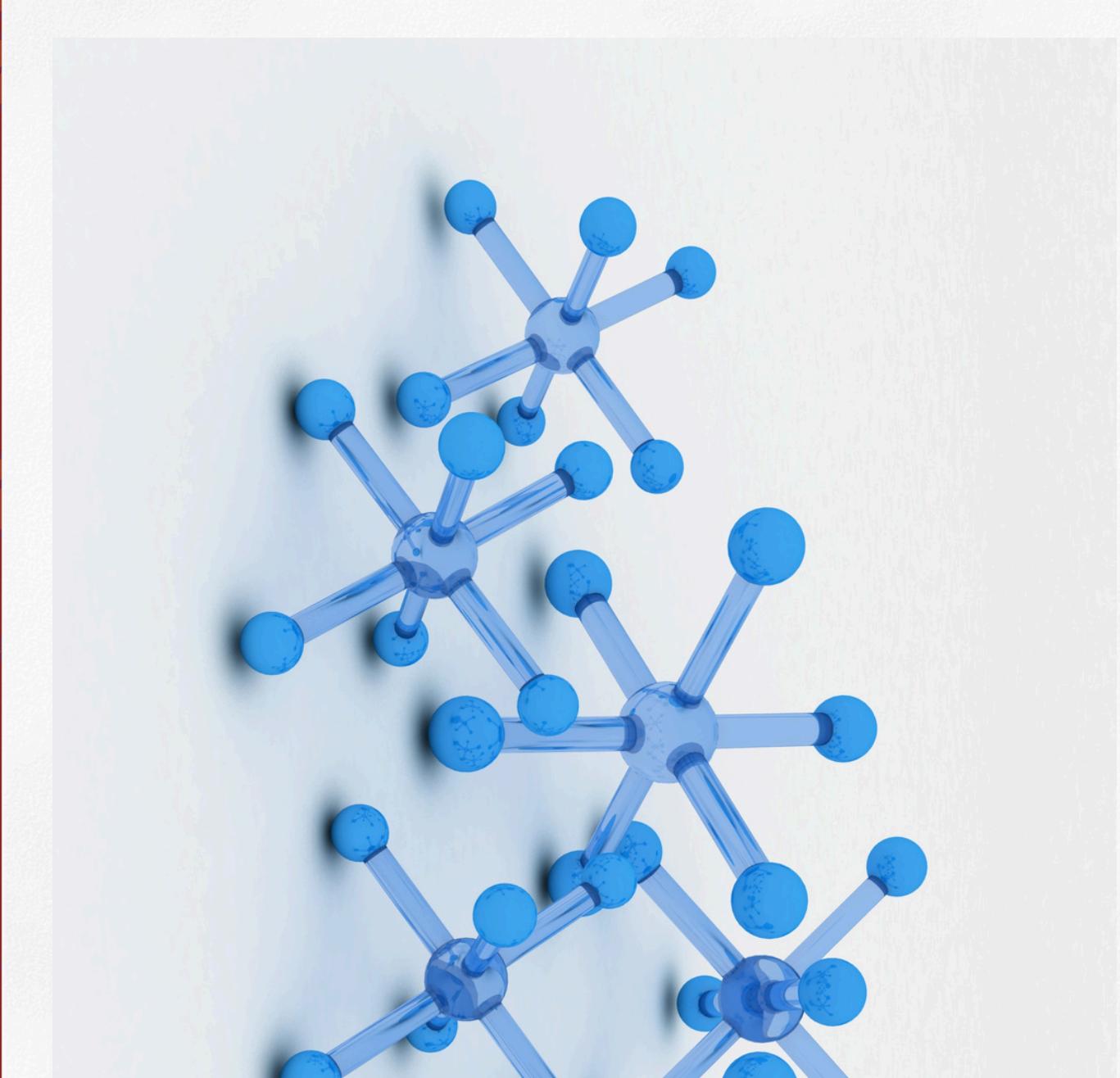
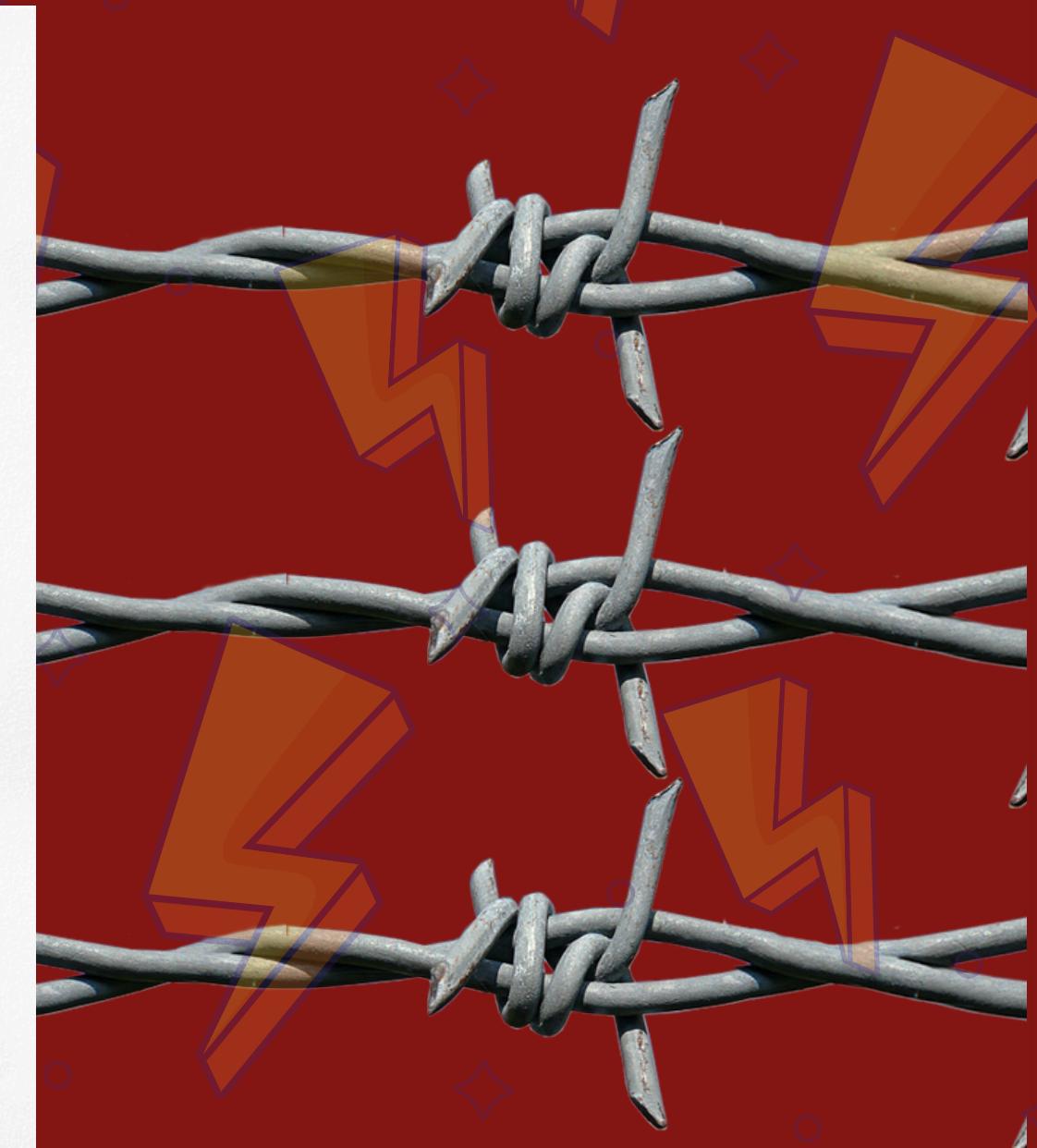
Energy

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# What is electrical energy?



Electrical energy is a form of energy that's all about the movement of tiny particles called electrons.



These electrons are found in atoms, which are the basic building blocks of matter.

# Fun Facts about Electricity !

Us talking about  
electrical energy



Le you guys:



Your air conditioner uses 10 times  
as much electricity than a fan does.



Your refrigerator typically uses  
more electricity than any other  
appliance in your home

# How is electrical energy....



In homes, when you leave your appliances and devices on when not in use, when you don't change air filters.....



.....when you use incandescent bulbs and when you open the refrigerator too often, so stop eating (jk)



## .....WASTED?

# This could be you.....

Using AC, refrigerator,  
keeping the lights and  
fan switched on

Looking at the bill:



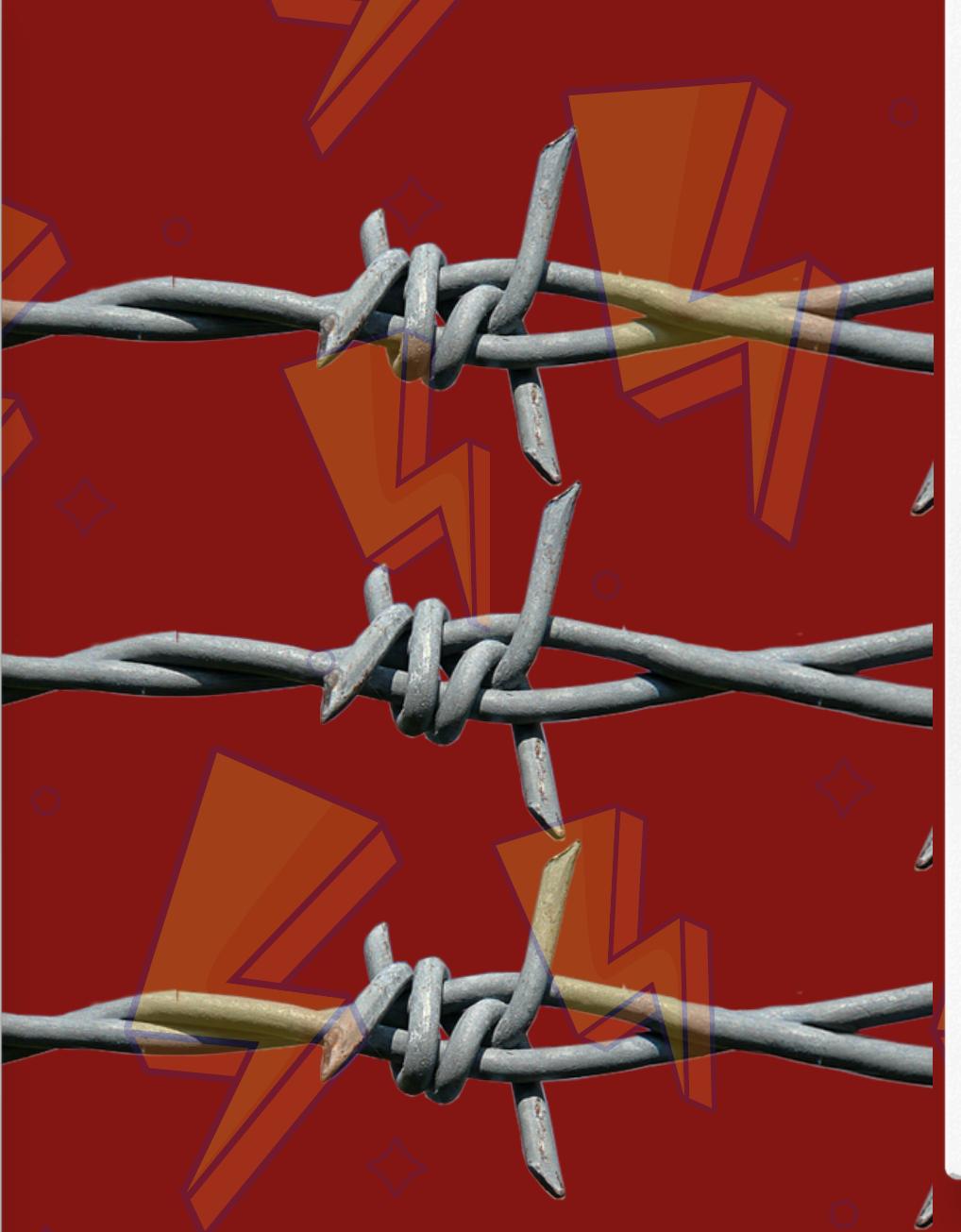
LET US NOT RUN INTO THESE  
SITUATIONS !

...So use energy wisely

# How is electrical energy....



In workplaces, using incandescent bulbs for office lighting, not weatherproofing the office.....



.....not clearing out your air vents and leaving appliances on when not in use.

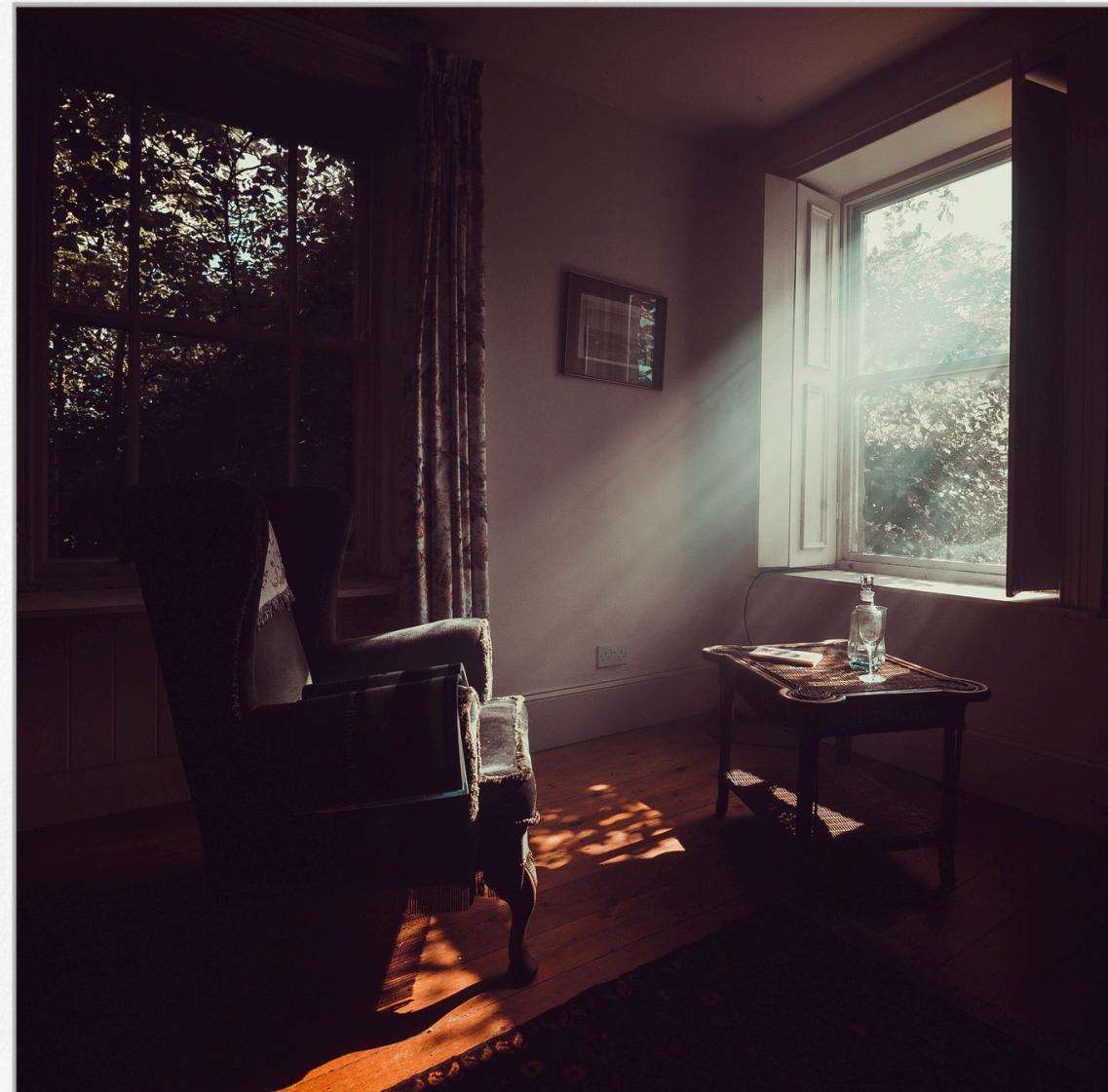


.....WASTED?



Switch to energy-efficient LED bulbs, which use significantly less electricity and last longer than traditional incandescent bulbs.

# How to conserve electrical energy ?

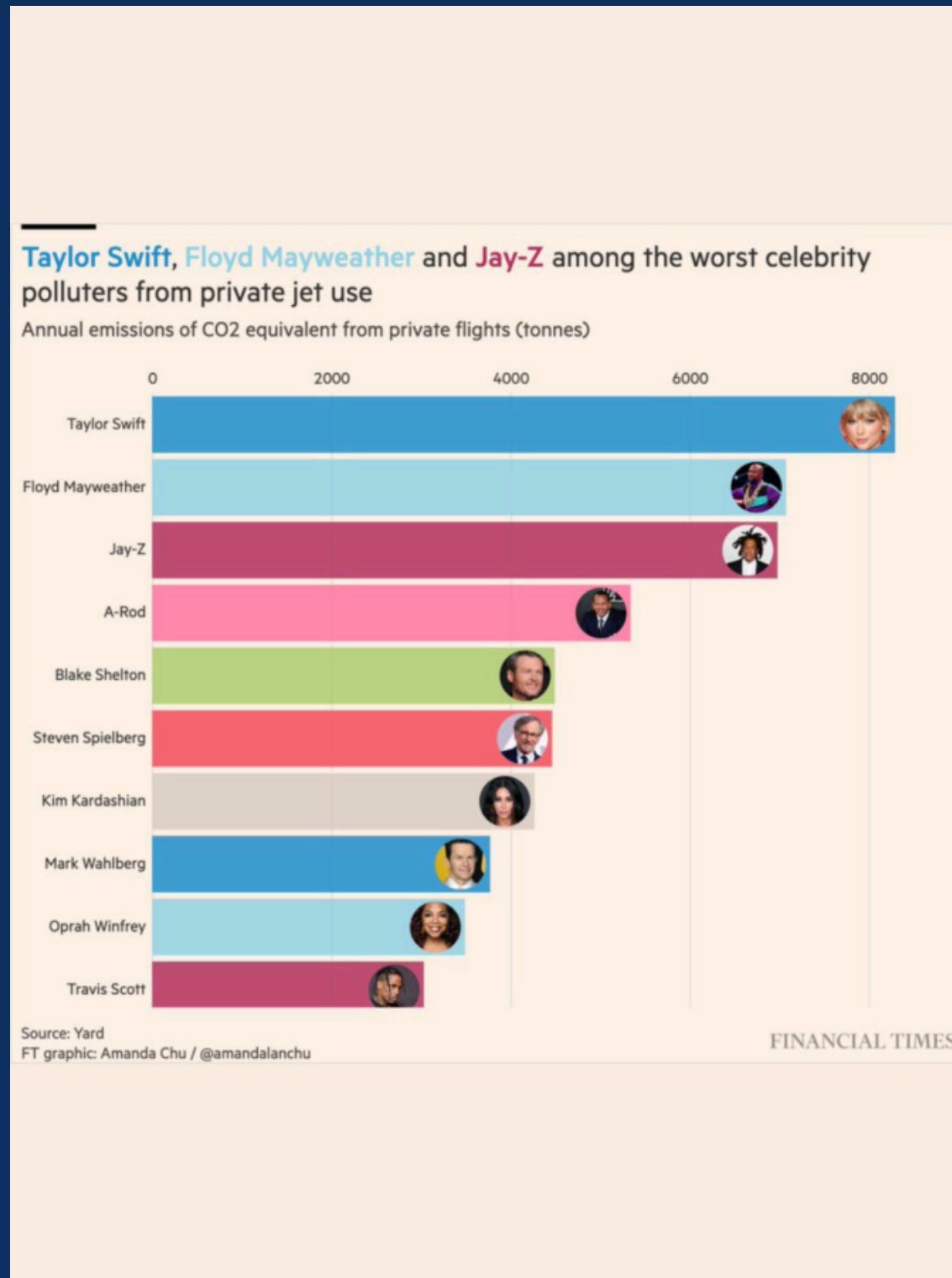


Use natural ventilation to cool your home instead of relying solely on air conditioning during the summer

Unplug chargers, electronics, and appliances when not in use. Even in standby mode, many devices continue to consume electricity







## F1 Net Zero Commitment by 2030

green network

SOURCE formula1.com | RESEARCH & TEXT Thomas Panji | EDITOR Abul Muamar  
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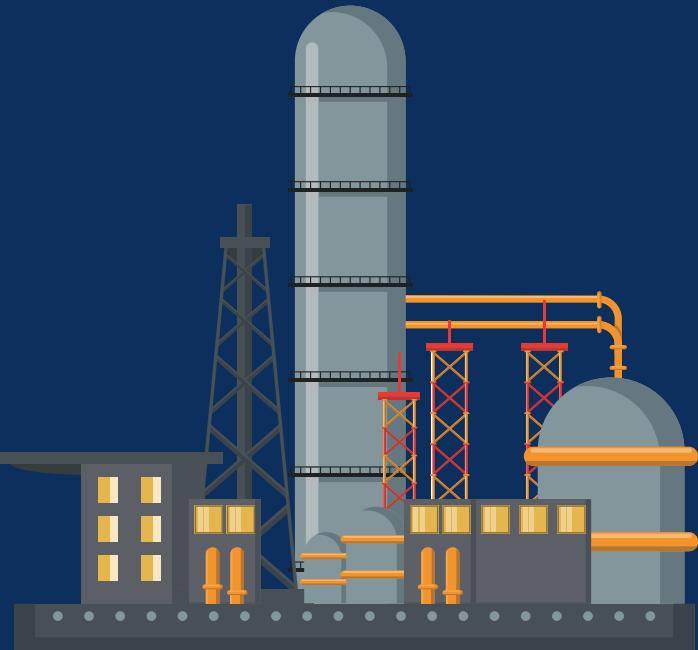
"F1 pledged to become a sustainable racing sport through the Net Zero 2030 commitment."

- During the 2019 season, F1 produced 256,551 tonnes of carbon dioxide emissions.
- Through the 2030 Net Zero program, F1 is committed to becoming a sustainable racing event.
- Net Zero 2030 aims to change the regulation of car engines into hybrids with less fuel consumption and uses eco-friendly fuel.
- F1 cooperates with Aramco to create an eco-friendly fuel called E10.
- F1 also committed to reducing emissions on business travel (27%), factory per team (20%), and logistic delivery (45%).

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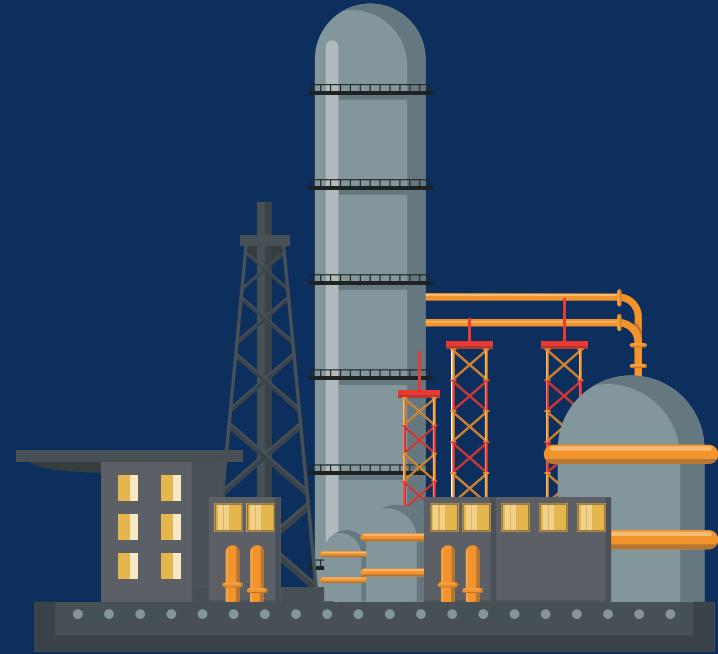


# ENERGY

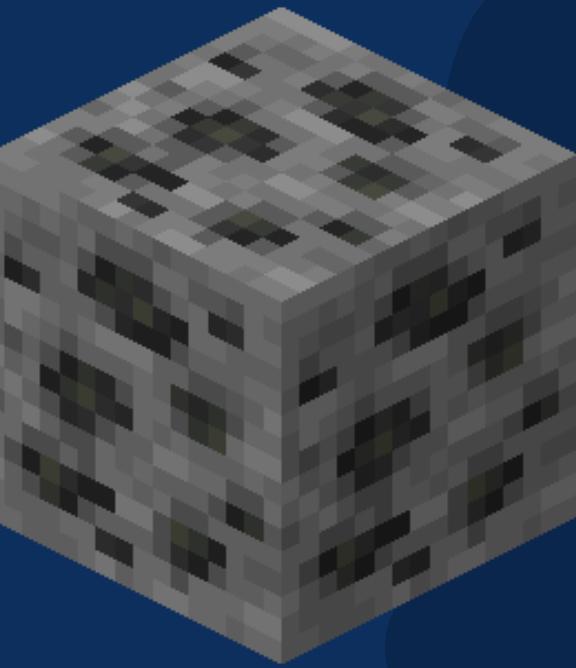


# WHAT IS FUEL ENERGY ?

- Energy taken from **fuel**, i.e. substances that can be changed in some way to produce **heat** or **electricity**.
- You also get **mechanical energy** to run vehicles from fuel.
- Therefore, fuels are important sources of energy for humanity.



Petrol, Diesel and Gas is the Three Common Fuels Used in Transportation. But where do we obtain them :



COAL

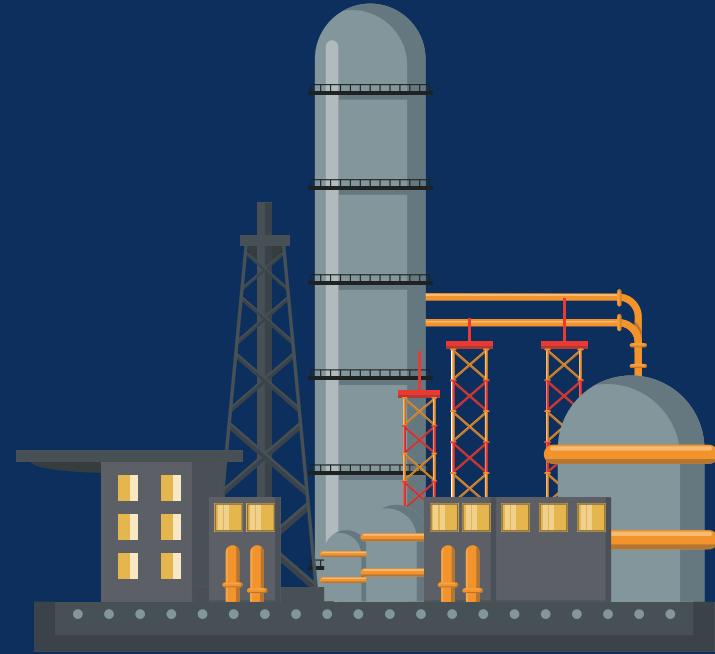


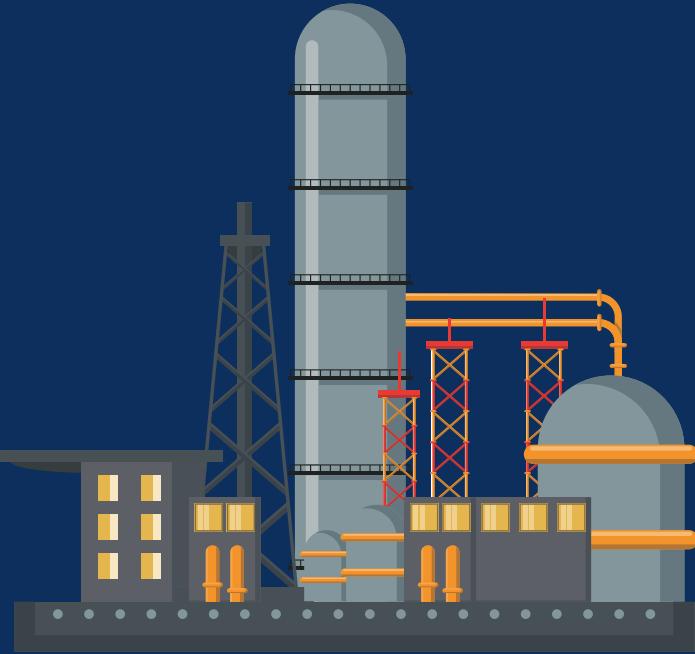
PETROLEUM OIL



NATURAL GAS

BUT THESE FOSSIL FUEL SOURCES ARE DEPLETING AND NEED TO BE CONSERVED.





# Now more than ever, there is a need to conserve fuels



What can you do to conserve fuel energy ?



CARPOOLING IS COOL !



USE PUBLIC  
TRANSPORT LIKE  
BUSES



NO TO IDLING IN TRAFFIC  
(Switching off engine in traffic)





USE AC LESS IN CAR



KEEPING TYRES INFLATED PROPERLY  
(UNDER-INFLATED TYRES REDUCE EFFICIENCY)



Combine  
Errands  
AND  
Drive Less



KEEPING HEAVY LOADS TAKE A TOLL  
ON FUEL USAGE



## ANOTHER POPULAR ALTERNATIVE IS TO DRIVE ELECTRIC VEHICLES

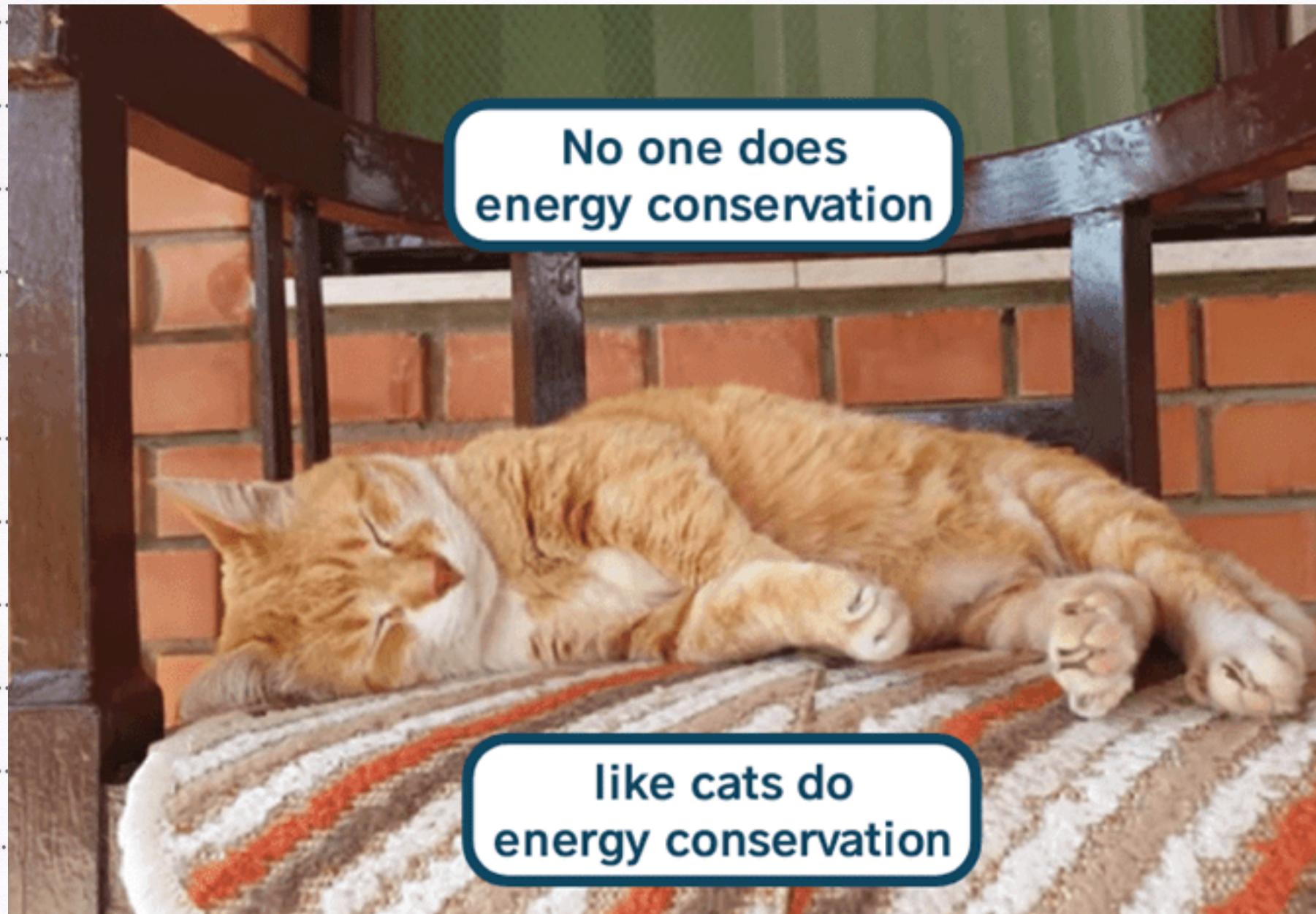


# ENERGY CONSERVATION IN HOMES



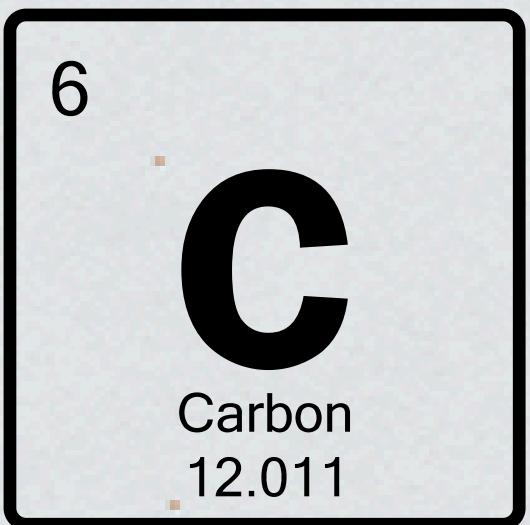
1. Try to switch to energy-efficient lighting
2. Limit your screen time to reduce electronic waste
3. Be mindful of water use in showers or while brushing
4. Switch off all electronic appliances when not in use

# ENERGY CONSERVATION IN SCHOOLS

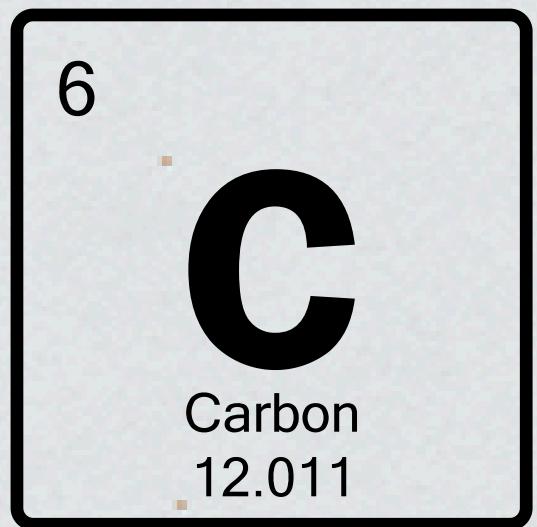


1. Engage in Energy Conservation Clubs and volunteer for such activities
2. Switch off your classroom lights when not in use
3. Most Importantly, take the initiative and spread awareness among your peers.

# WHAT'S THE GOOD WORD?



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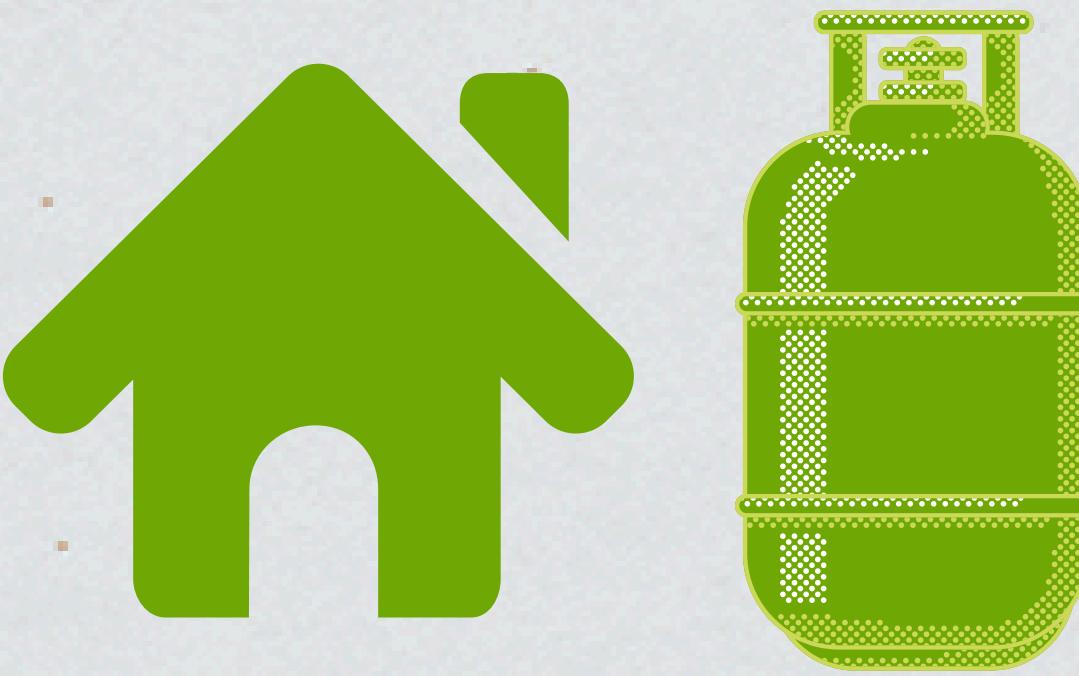


## Carbon Footprint

# WHAT'S THE GOOD WORD?



# WHAT'S THE GOOD WORD?



## Greenhouse Gas

# WHAT'S THE GOOD WORD?

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# WHAT'S THE GOOD WORD?

( -L)il ⚡

## Fossil Fuel

# WHAT'S THE GOOD WORD?



# **WHAT'S THE GOOD WORD?**



## **Power Plant**



Thank you