# NE&CM-2026

## परमाणु ऊर्जा और परमाणु विकिरण
## उज्ज्वल भविष्य के लिए एक वरदान

## Nuclear Energy and Nuclear Radiation:
### A Boon for a Bright Future

# PLACARD DESIGN COMPETITION

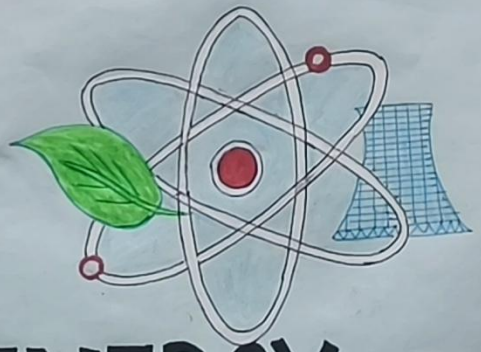
*Express Science Through Creativity*

**Let Your Message Inspire Awareness**


FROM ATOM TO ADVANCEMENT
"ऊर्जा भी, उपचार भी - आशा की नई किरण,
परमाणु विज्ञान से सशक्त हो जीवन और पर्यावरण।"

# NUCLEAR ENERGY AND RADIATION

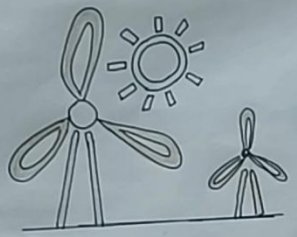
## BOON FOR THE FUTURE



## CLEAN ENERGY

Split Atoms, Not the Planet

Zero-emission power for a net-zero future



## MEDICAL ADVANCEMENTS

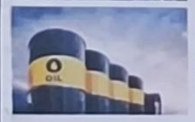
Radiation: The Healing Ray

Fighting Cancer and saving lives Everyday

# FROM RADIATION TO INNOVATION - ENERGY FOR NEW GENERATION

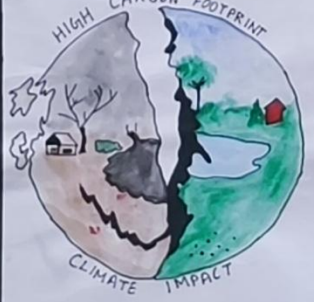
**Types of Fossil Fuels**

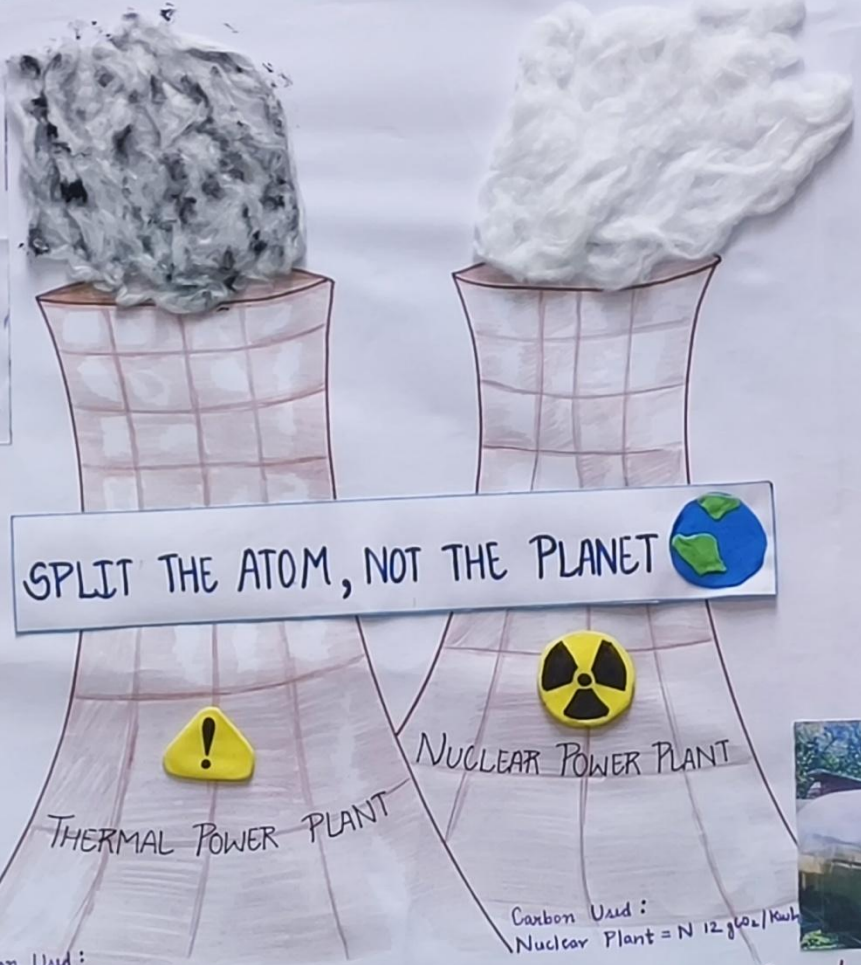
**COAL**

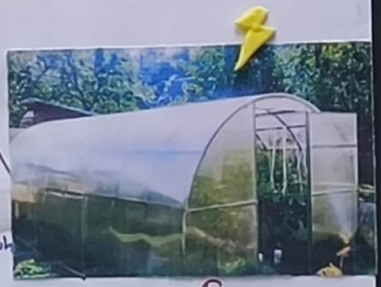


**CRUDE OIL**

**NATURAL GAS**



Carbon Used :
Thermal Plant = 600 - 1000 g $CO_2$ / Kwh
→ High $CO_2$ Emission
→ Fossil Dependent

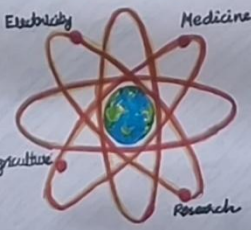
Carbon Used :
Nuclear Plant = N 12 g $CO_2$ / Kwh

U-235 → Controlled Fission →
Heat → Steam → Electricity

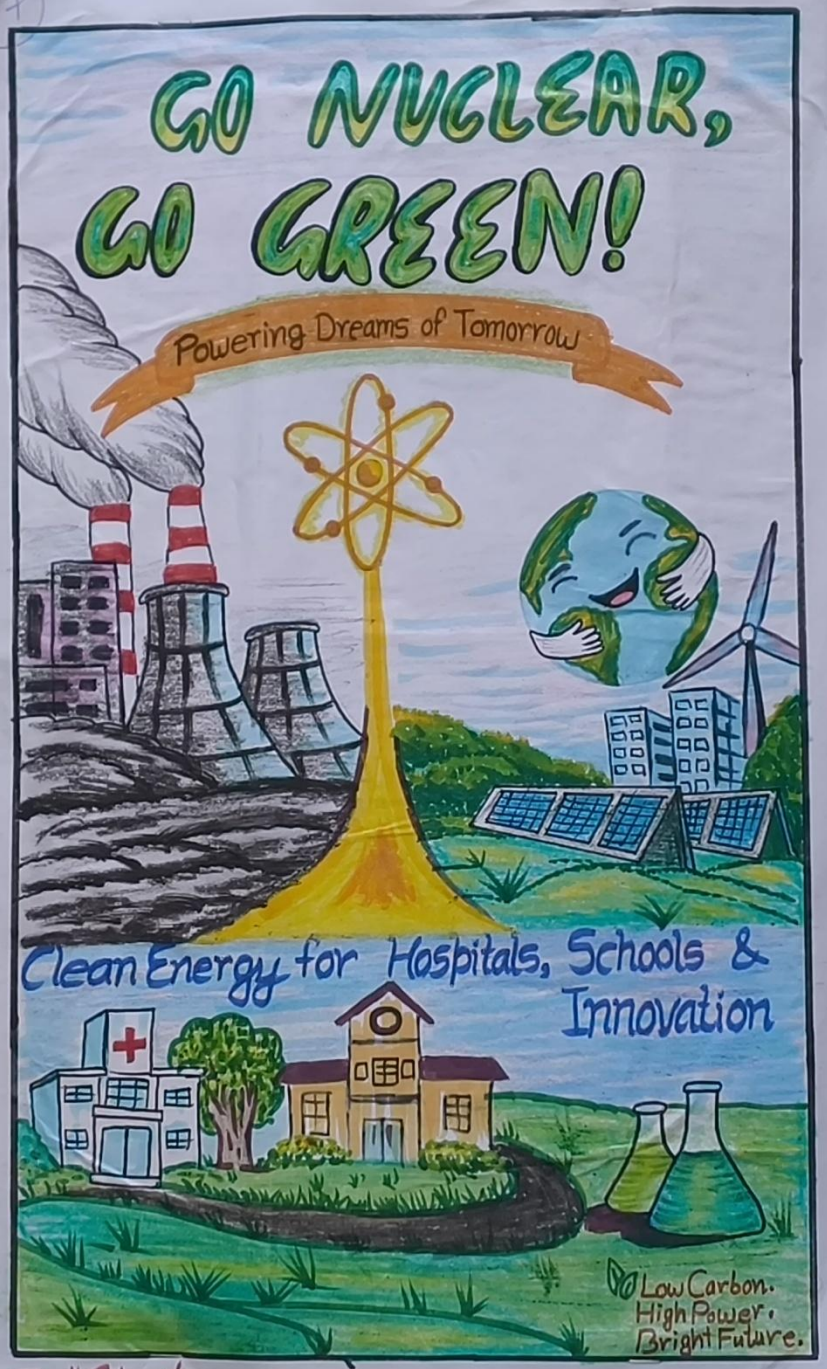
NUCLEAR ENERGY = CLEAN ENERGY

# Nuclear Radiation: Fear Less, Understand More

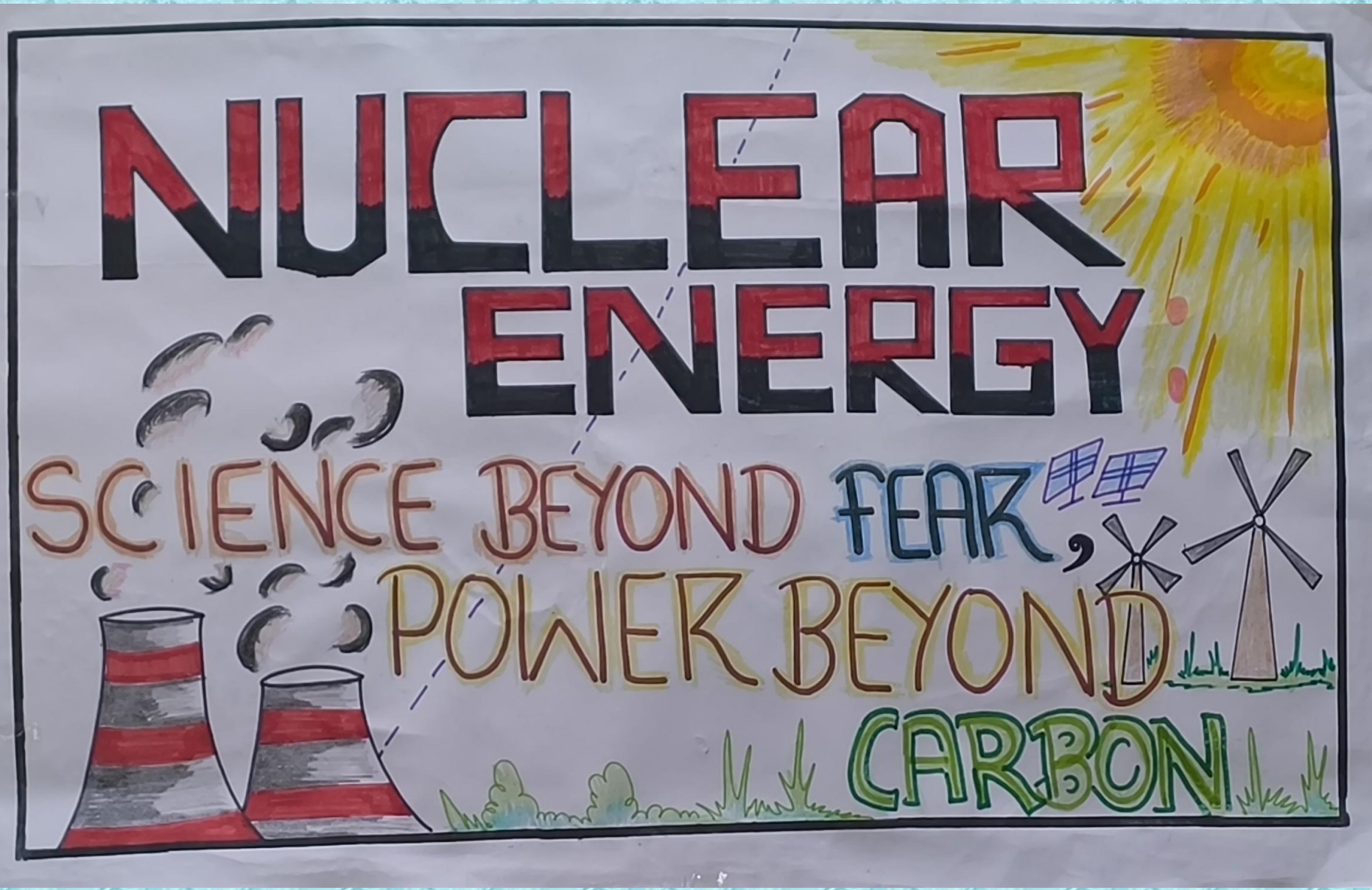
Low Carbon, High Power




Nuclear Energy: A Boon for a Sustainable Future


GO NUCLEAR,
GO GREEN!
Powering Dreams of Tomorrow
Clean Energy for Hospitals, Schools & Innovation
Low Carbon.
High Power.
Bright Future.

Ravi Singh..

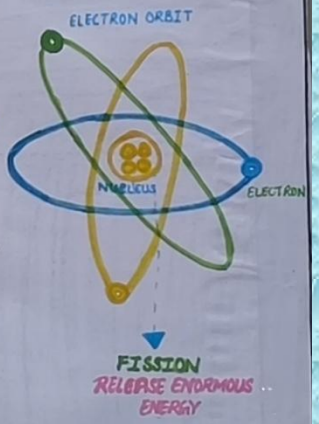

NUCLEAR
ENERGY
SCIENCE BEYOND FEAR,
POWER BEYOND
CARBON

23

# EMPOWERING TOMORROW WITH NUCLER ENERGY


NAME → P.RATHIKALA AND SHIVRANJANI KUMARI
DEPARMANT OF PERFORMING AND FINE ARTS

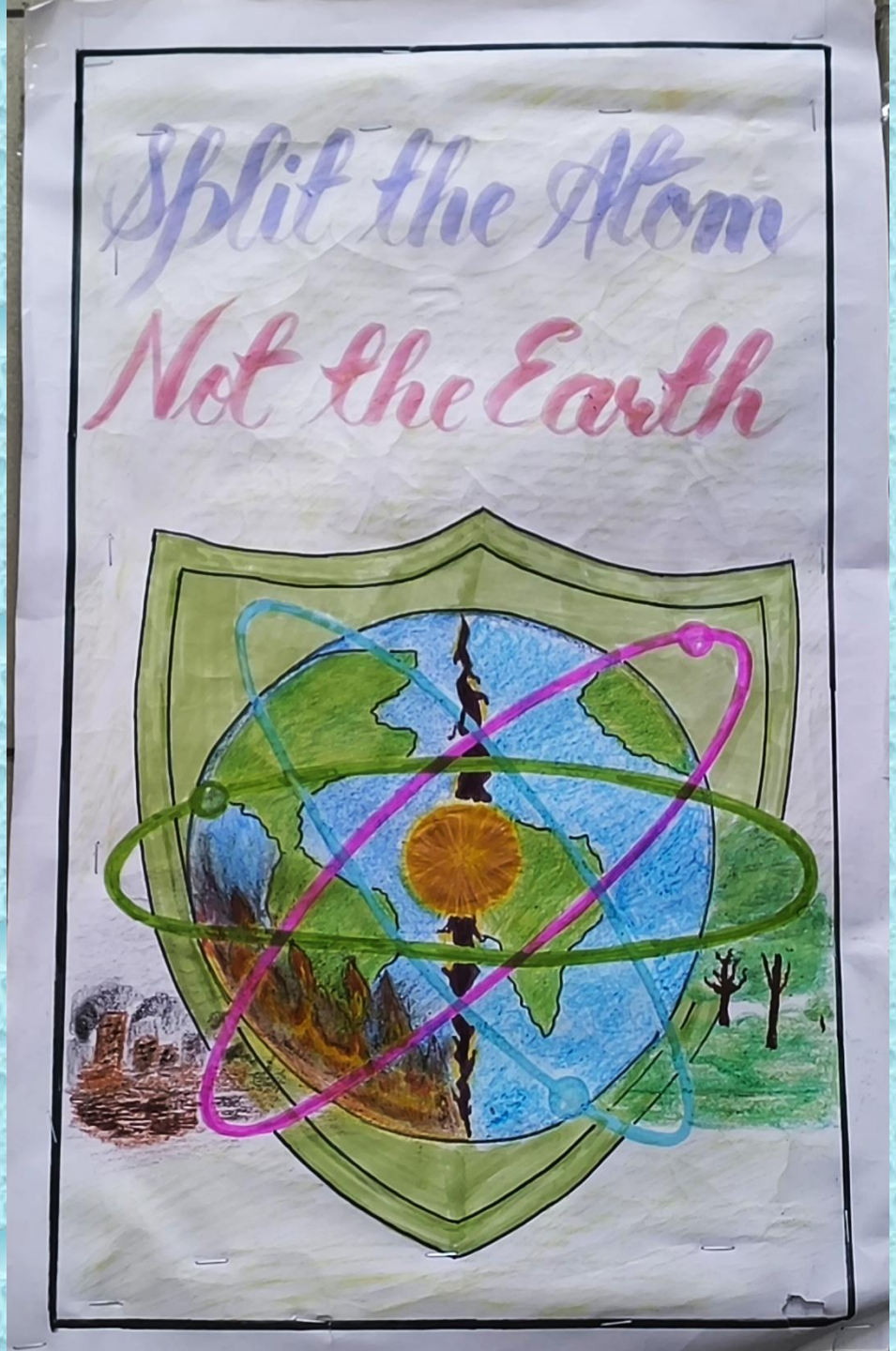
# 1 URANIUM PELLET = ENERGY OF 800KG COAL




# NUCLEAR IS INDIA'S BRIGHTEST FUTURE

100B+ kWh
CLEAN ELECTRIICITY GENERATED

50MILLION
HOMES POWERED


Split the Atom
Not the Earth

# Beyond Power Generation

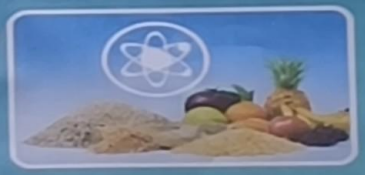
## Nuclear Science in Everyday Life

Nuclear Medicine

Nuclear Agriculture

Clean Water

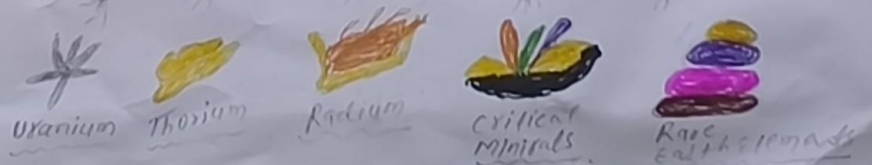
Food Irridation



Energy Security

**Safe • Clean • Reliable • Affordable**

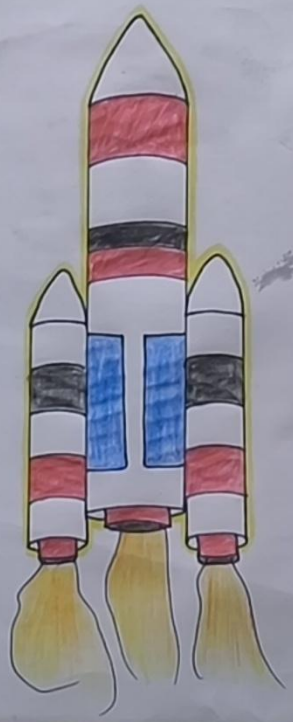
Science for Society. Energy for the Future.

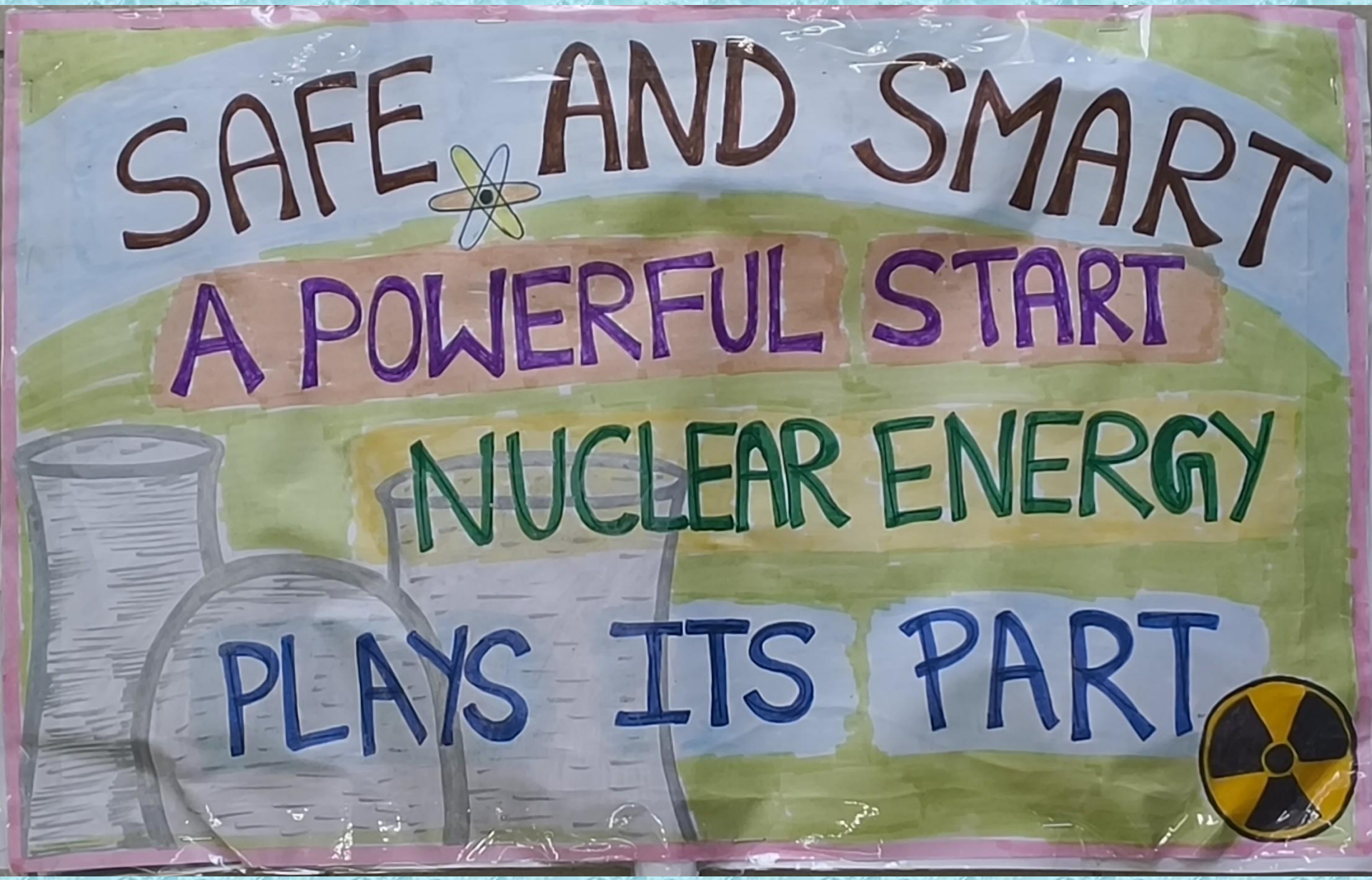


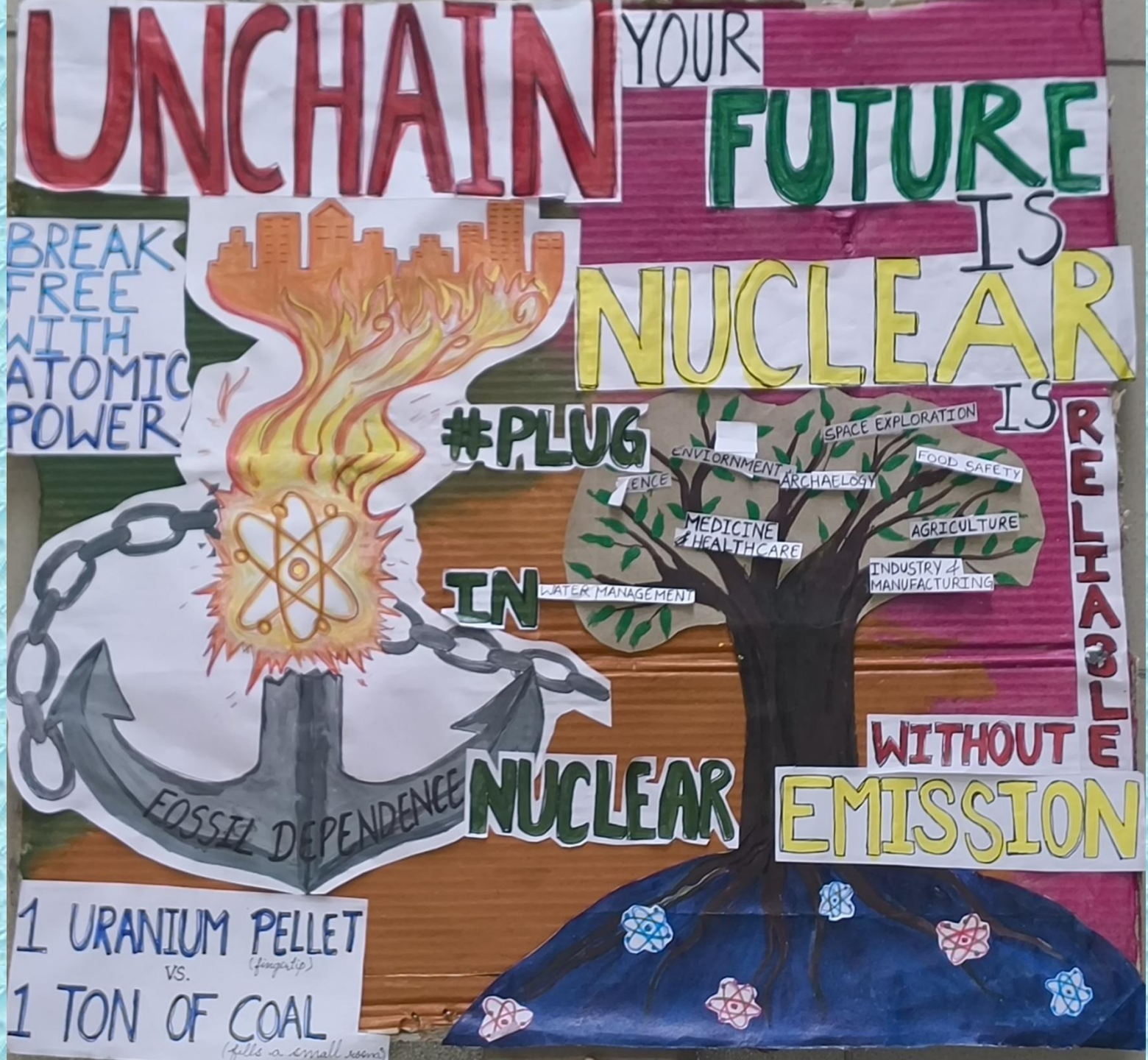
# NUCLEAR POWER: ROAD TO ENDLESS POSSIBILITIES

Where Science Meets Sustainability: Nuclear Leads the Way

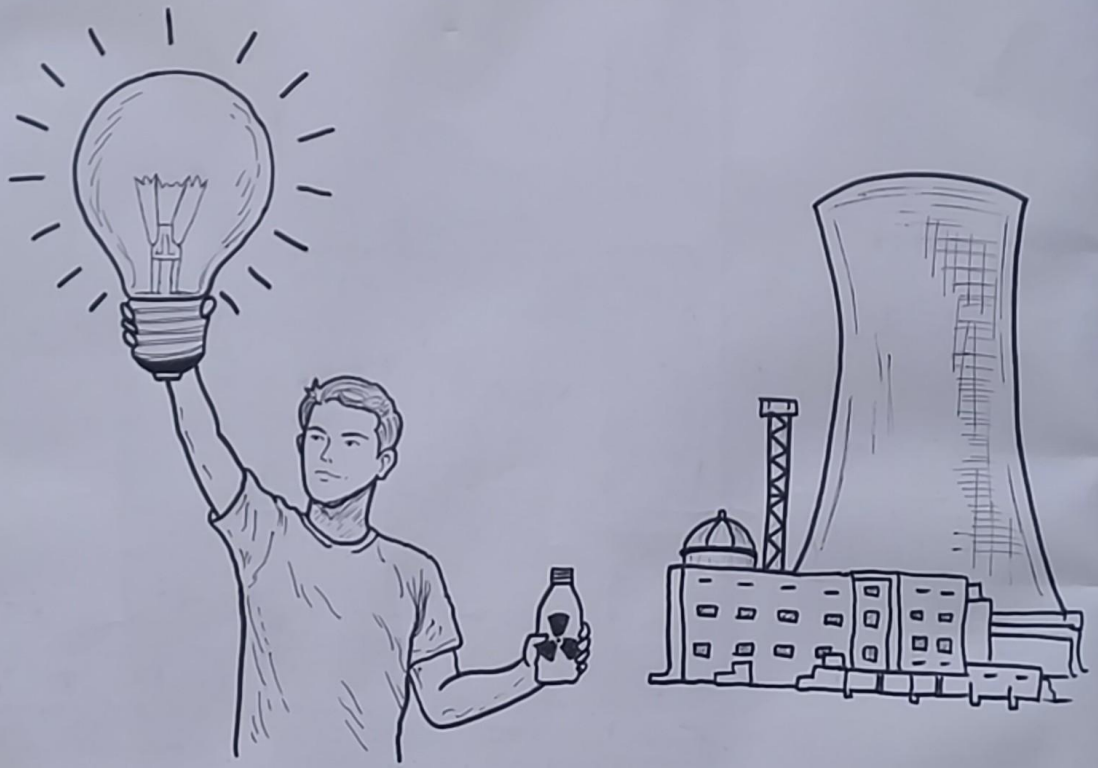
Taming the Atom, Transforming the Future




SAFE AND SMART
A POWERFUL START
NUCLEAR ENERGY
PLAYS ITS PART

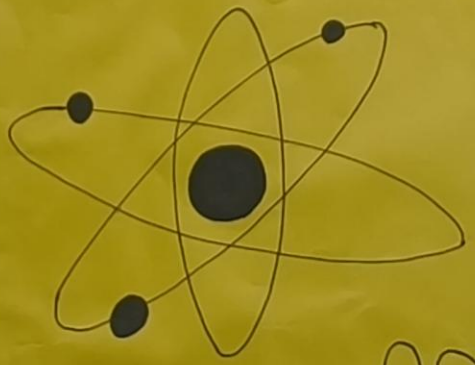

UNCHAIN
YOUR
FUTURE
IS
NUCLEAR
IS
RELIABLE
BREAK FREE WITH ATOMIC POWER
#PLUG
IN
SPACE EXPLORATION
ENVIORNMENT
ARCHAELOGY
FOOD SAFETY
ENCE
MEDICINE & HEALTHCARE
AGRICULTURE
INDUSTRY & MANUFACTURING
WATER MANAGEMENT
FOSSIL DEPENDENCE
NUCLEAR
WITHOUT
EMISSION
1 URANIUM PELLET (fingertip)
VS.
1 TON OF COAL
(fills a small room)

DECADES OF POWER
GRAMS OF WASTE

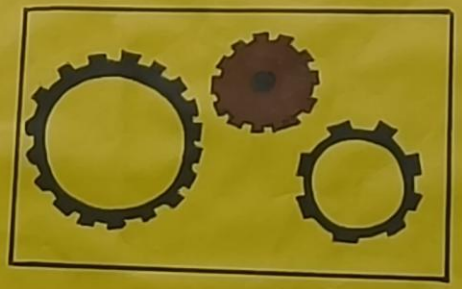


MAXIMUM OUTPUT
MINIMAL WASTE

# परमाणु ऊर्जा और परमाणु विकिरण
# उज्ज्वल भविष्य के लिए एक वरदान

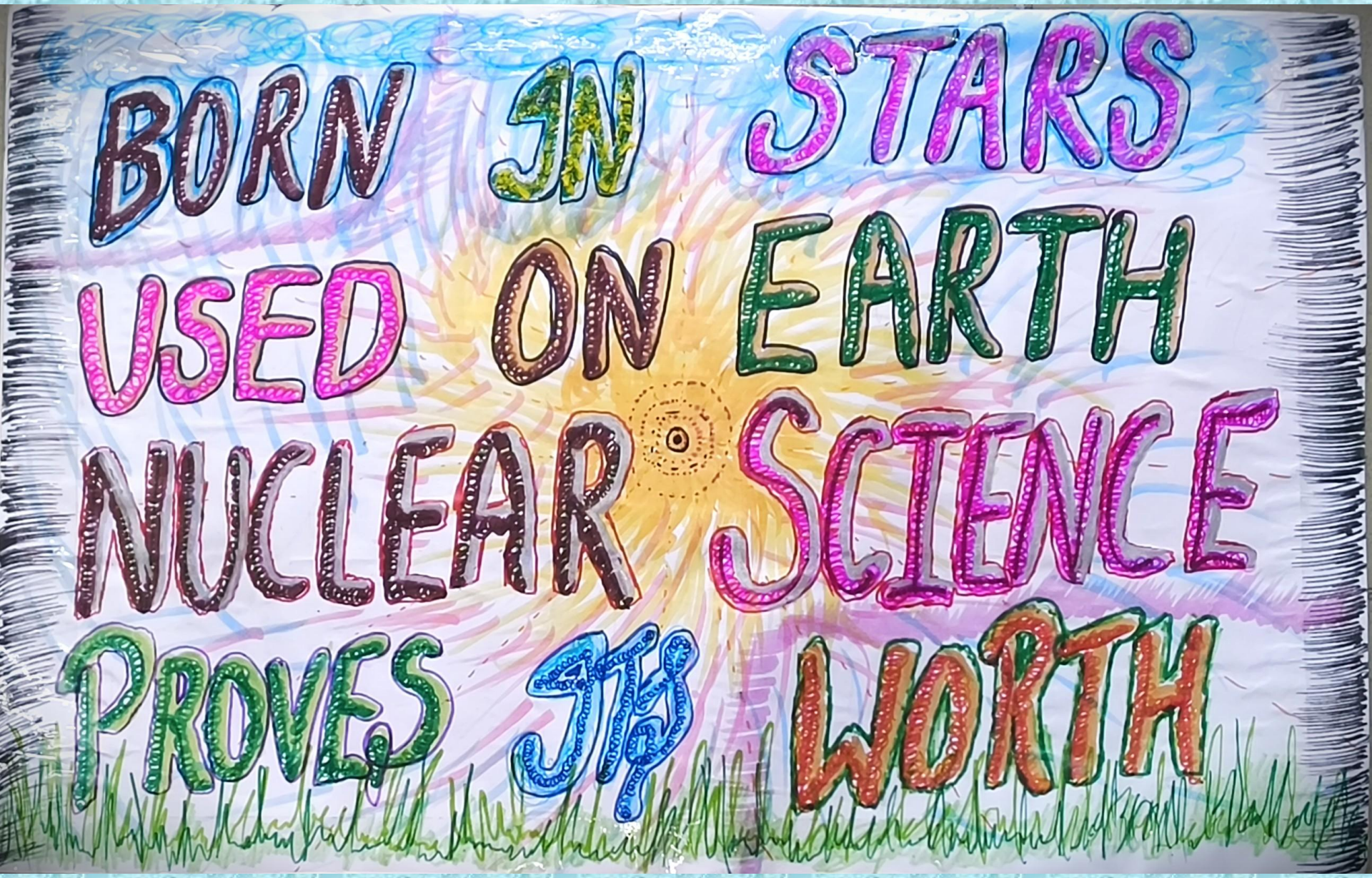


उद्योग



दवा

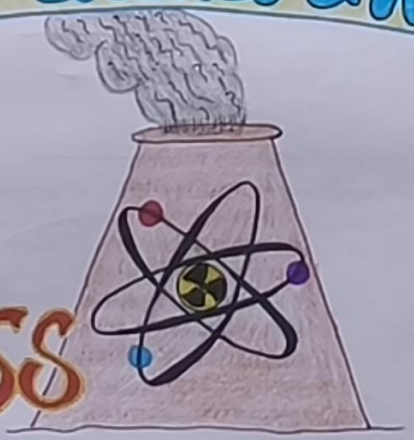
विद्युत शक्ति


BORN IN STARS
USED ON EARTH
NUCLEAR SCIENCE
PROVES ITS WORTH

Energy for growth,
not pollution.

NUCLEAR POWER –
SMART SOLUTION.

NUCLEAR ENERGY & RADIATION

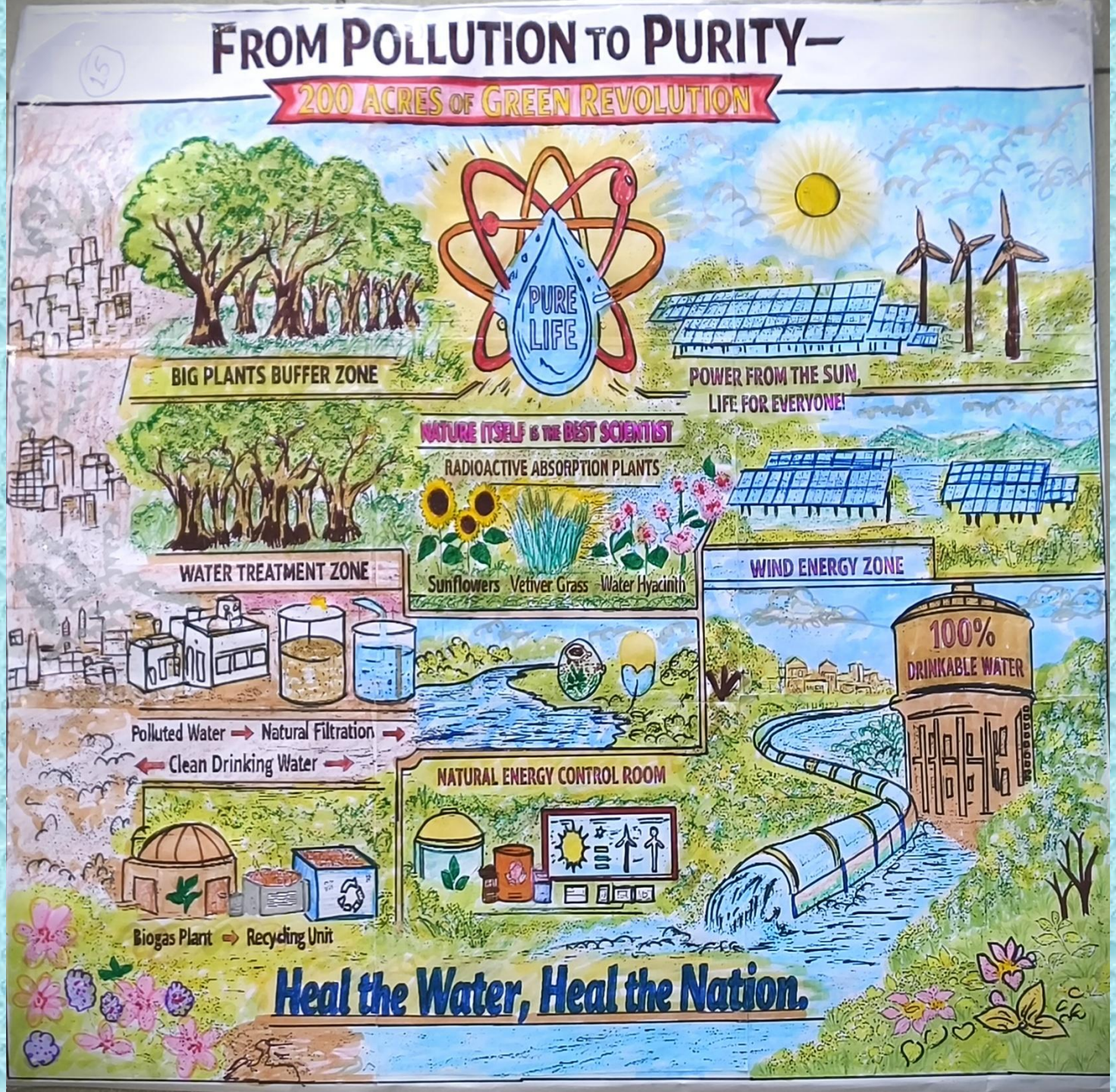


RADIATION SAFE,
AWARENESS TRUE,

Bright future starts
WiTh Me AnD YOU!

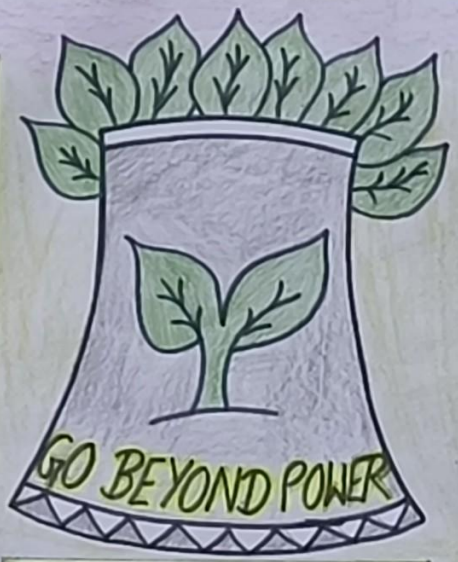
# FROM POLLUTION TO PURITY—

## 200 ACRES OF GREEN REVOLUTION



# NUCLEAR: THE CLEAN GIANT

ZERO CARBON GREENHOUSE EMISSION




SMALL LAND MASSIVE ENERGY

ULTIMATE CLIMATE CHANGE SOLUTION

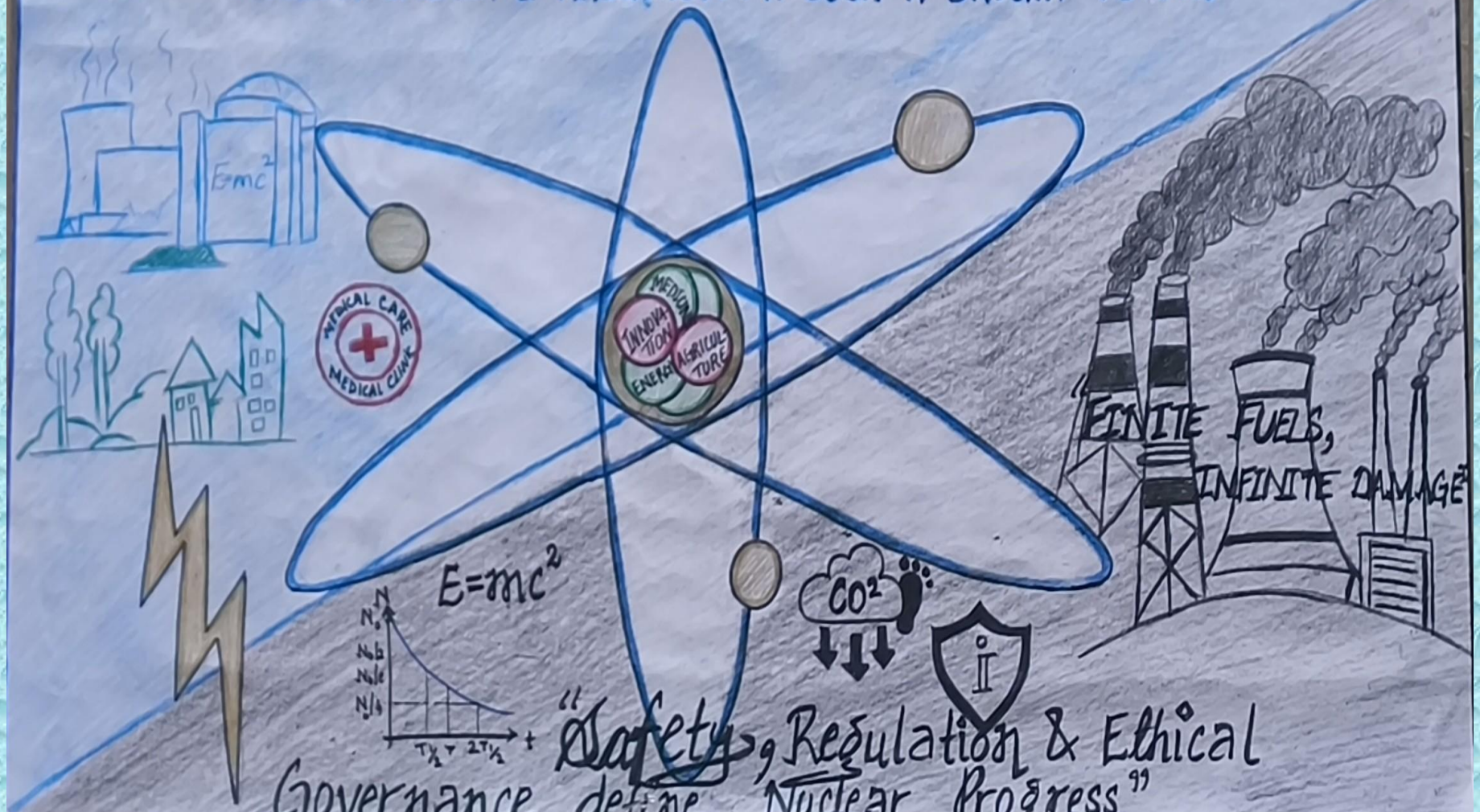
TREMENDOUS POWER

1 gram U = 1 TON coal

POWERING EARTH's SUSTAINABLE FUTURE

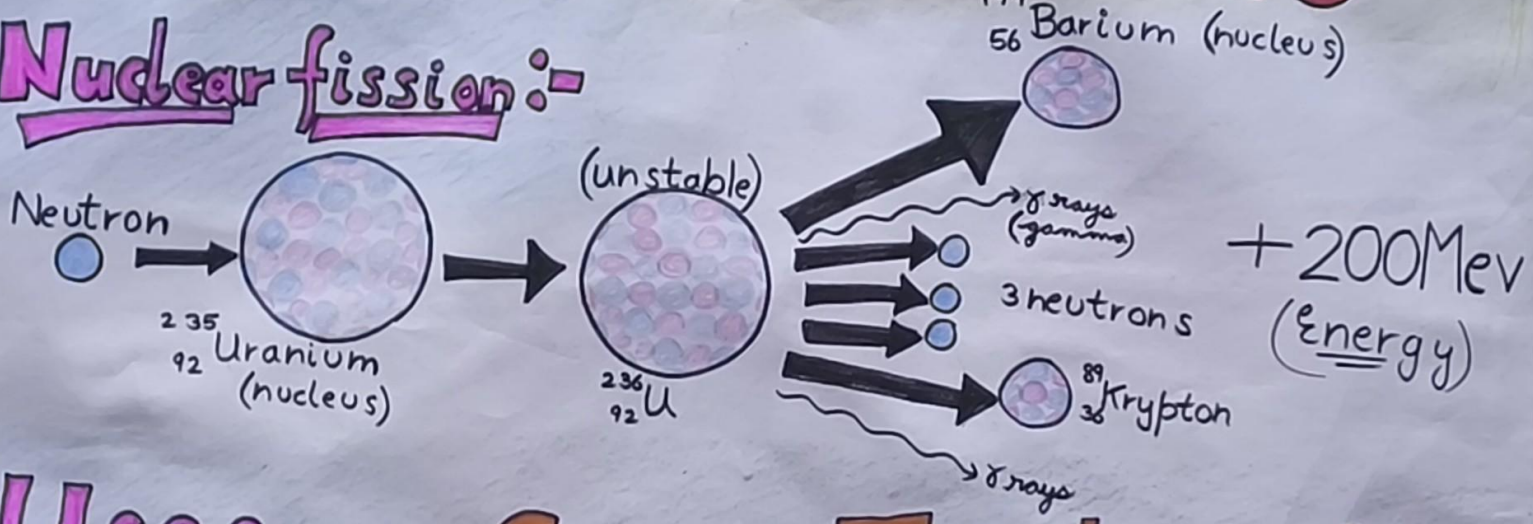
# "HARNESSING FUNDAMENTAL FORCES RESPONSIBILITY"

## NUCLEAR ENERGY & RADIATION : A BOON A BRIGHT FUTURE



# What is Nuclear Energy ?

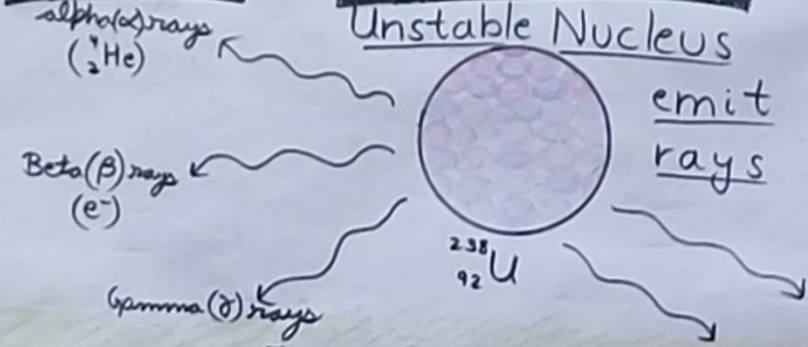
## Nuclear fission :-




## Uses :-

- Cancer Treatment
- Electricity Generation
- Scientific Research
- Space Exploration

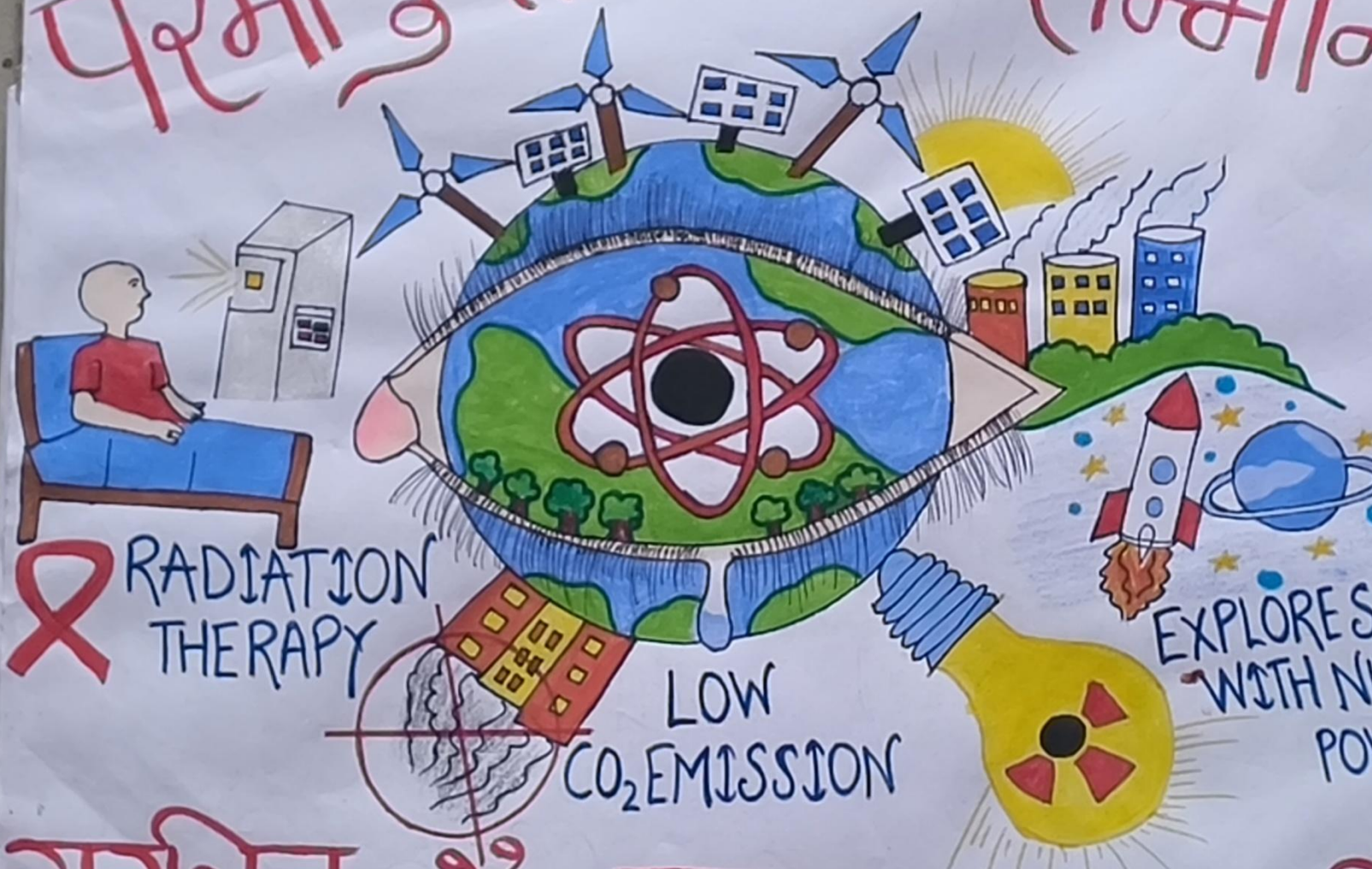
# What is Nuclear Radiation?




## Uses:-

- Radio Pharmaceuticals
- Medical Scans (PET Scan)
- Radio Therapy In Cancer
- Sterilization by Radiation

# परमाणु शक्ति का सम्मान




# सुरक्षित और समृद्ध राष्ट्र का निर्माण