

# **GARBAGE**

## **HE MODULE : GARBAGE**

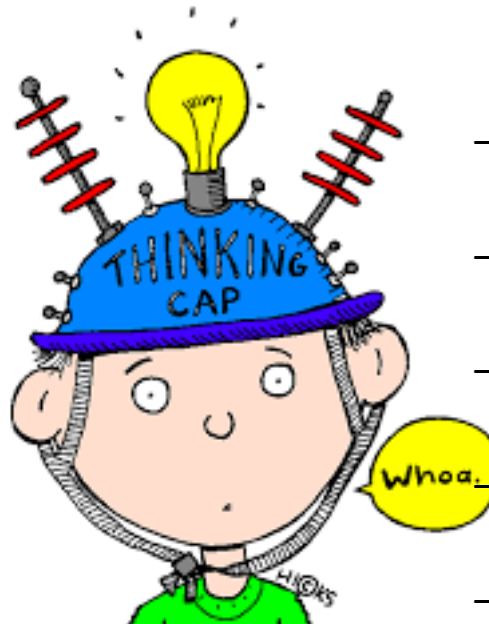


# GARBAGE

Also known as:

What are the other names for Garbage... (*in other languages too...*)

- Waste
- Kachra
- Phaltu Samaan
- Kura
- Others...



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# GARBAGE

## TYPES OF GARBAGE WE CREATE



At home

In Classroom / School



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# GARBAGE

## TYPES OF GARBAGE WE CREATE



In the Neighbourhood / *Para*

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# GARBAGE

## CLASSROOM ACTIVITY

**LET US LOOK FOR GARBAGE / WASTE IN OUR CLASSROOM TODAY**

**WHAT DID WE FIND?**



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**(TEACHERS – PLEASE MAKE NOTES OF THIS PAGE AND KEEP IT PROPERLY. WE WILL COME BACK TO THIS AT A LATER CLASS)**

# GARBAGE



**WHY**

**ARE**

**WE**

**STUDYING**

**STUDYING**

**ABOUT**

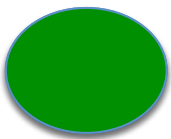
**ABOUT**

# GARBAGE ?

# GARBAGE

**WHAT IS GARBAGE / WASTE ?**





# GARBAGE

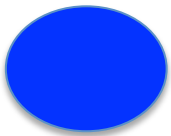
**GARBAGE / WASTE IS WHAT WE THROW AWAY .....**

## **BIO DEGRADABLE**

All waste that through the action of natural elements (air, water, sunlight, micro-organisms) can go back into nature, very quickly. **BACK TO SOIL.** These products are mostly made of natural materials.







# GARBAGE

**WE ALSO THROW AWAY .....**

**NON BIO  
DEGRADABLE**

All waste that through the action of natural elements (air, water, sunlight, micro-organisms) **CANNOT** go back into nature, very quickly.

**CANNOT GO  
BACK TO SOIL**



**PLASTIC BAGS**



**PLASTIC BOTTLES**



**CANS & METALS**



**BATTERIES**

**.... and more**

# GARBAGE

**GARBAGE/GERMS MEANS.....**



# GARBAGE

**GARBAGE /GERMS MEANS.....**

**DISEASE**



# GARBAGE

## THE CYCLE OF GARBAGE - 1



1. We throw garbage in **COMMONS**



2. We throw garbage in a **VAT**



3. Collected by **KMC**



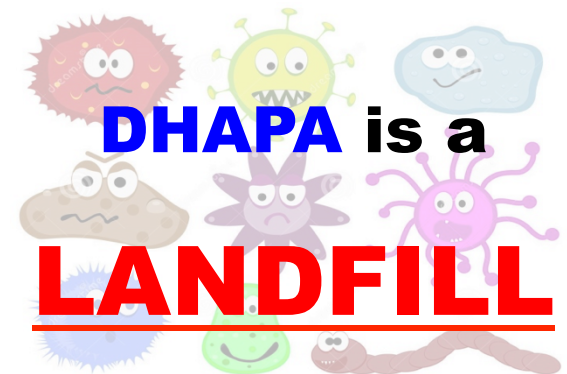
4a. KMC truck takes it to **DHAPA**



4b. KMC compactor takes it to **DHAPA**



5. KMC truck / compactor **DUMPS IT IN Dhapa**



# GARBAGE

## THE CYCLE OF GARBAGE - 2



1. We throw garbage in **COMMONS**



2. We throw garbage in a **VAT**



3a. Garbage gets into the **DRAINS**



3b. **GARBAGE** gets into **DRAINS**



5. Drains gets **CLOGGED**



6. **WATERLOGGING**



**CLOGGED DRAINS**  
leads to  
**WATERLOGGING**

# GARBAGE

**IS THERE THE  
CYCLE OF GARBAGE – 3**



**LET US THINK  
ABOUT IT ...**

# GARBAGE



**WHAT IS SOIL?**

# GARBAGE



**SOIL IS WHERE OUR RICE / VEGETABLES / FRUITS /  
FLOWERS / PLANTS / TREES GROW**





# GARBAGE



**SOIL IS MADE OF AIR / WATER / WORMS / MINERALS / BIO**

**DEGRADEABLE WASTE WHICH ALL MAKE OUR FOOD / PLANTS / TREES**

**AIR**

**WATER**

**MINERAL**

**WORMS**

**&**

**BIO**

**DEGRADEABLE WASTE**



**GOOD SOIL**



# GARBAGE



**LIFE IS BEAUTIFUL & PRECIOUS**

**SAVE SOIL TO SAVE LIFE**

# **GARBAGE**

**WHY SHOULD WE  
STUDY ABOUT**

**NON BIO-DEGRADABLE WASTE**



# **GARBAGE**

## **WHAT IS DECOMPOSITION OF WASTE / GARBAGE**



# GARBAGE



**DECOMPOSITION is the process  
by which  
WASTE / GARBAGE returns back  
to nature – SOIL / AIR / WATER**

# GARBAGE

**HOW LONG WILL IT TAKE FOR THESE WASTES TO RETURN TO NATURE ?**

## Estimated Decomposition Rates

● Paper ● Leaves ● Orange Peel ● Milk Carton ● Plastic Bag



2-4 Weeks



1-3 Months



3-6 Months



5 Years



10-20 Years

● Aluminum Can ● Plastic 6 Pk Ring ● Plastic Bottle ● Glass Bottle ● Styrofoam



200-400 Years



400-500 Years



400-500 Years



500 Years-Forever?



Never?

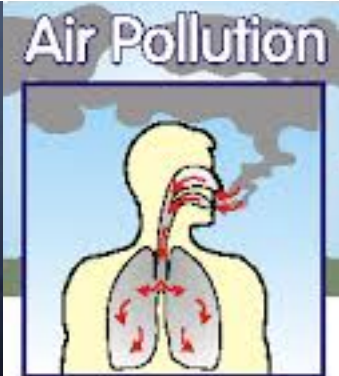
# GARBAGE



Water / rivers / ocean / water sources / fishes / marine life

# POLLUTION

Soil / food / air / climate change



# GARBAGE



**MOTHER EARTH IS BECOMING VERY SICK  
BECAUSE OF GARBAGE**



# GARBAGE

HOW DO WE STOP / PREVENT

**POLLUTION**

CAUSED BY GARBAGE ?

HOW DO WE STOP / PREVENT

**DISEASES**

CAUSED BY GARBAGE ?

**LET US TODAY TALK  
ABOUT IT ...**

# GARBAGE



# GARBAGE



ART BY: KEVIN B. GENER

# GARBAGE



**WE CAN DO IT**

# GARBAGE

## GARBAGE / WASTE

2 kinds



**BIO-DEGRADABLE**

**NON - BIO-DEGRADABLE**



**GOES BACK INTO THE SOIL**

**BECOMES SOIL QUICKLY**

**IMPROVES SOILS CAPACITY TO GIVE FOOD**

**TAKES VERY VERY LONG TO GO BACK INTO THE SOIL**

**HARMS SOILS CAPACITY TO GIVE FOOD**

**MAKES FOOD FROM SOIL BAD & UNSAFE**

# GARBAGE

**"India can do it. People of India can do it."**

**Narendra Modi, Prime Minister of India**



**"It is your duty to keep Kolkata green and clean."**

**Mamata Banerjee, Chief Minister of West Bengal**



# GARBAGE

## CLASSROOM ACTIVITY

### WHAT WILL YOU PUT IN WHICH BIN?

**GREEN BIN**

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**BLUE BIN**

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# GARBAGE

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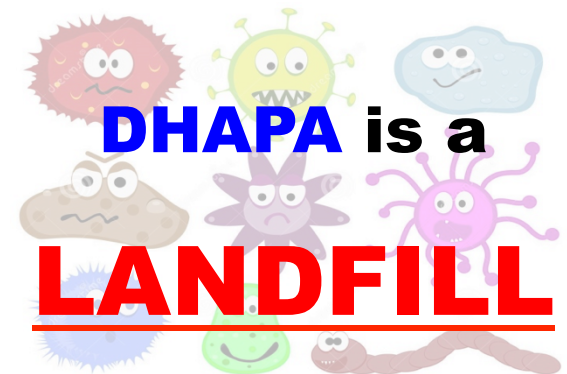
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# GARBAGE



BIO DEGRADABLES **SAVES** THE SOIL



NON BIO DEGRADABLES **POISONS** THE SOIL



**MIXED GARBAGE IN A LANDFILL** IS VERY BAD .....



.... It **POISONS** the soil



.... It **POISONS** the water



.... It **POISONS** the air

**DISEASE**

**POLLUTION**

# GARBAGE

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**CLOGGED DRAINS**  
leads to  
**WATERLOGGING**

# GARBAGE

DRAINS OF KOLKATA **CHOKED WITH** GARBAGE =  
**WATERLOGGING**



**DISEASE**

**POLLUTION**

# GARBAGE

**IS THERE THE  
CYCLE OF GARBAGE – 3**

**?**



**DID WE THINK  
ABOUT IT ...**

# GARBAGE

## THE *CYCLE OF GARBAGE* - 3



- A **ZERO** WASTE COMMUNITY
- A **ZERO** WASTE **KOLKATA**

# GARBAGE

**For Enquiries:**

PLEASE CONTACT

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