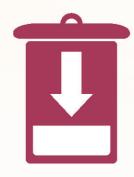


ZERO WASTE CONCEPT USING 4R 2C APPROACH

YOU CAN ACHIEVE A ZERO WASTE LIFESTYLE BY FOLLOWING THESE 3 SIMPLE STEPS!

WASTE MINIMIZATION USE LESS!

You do not need to use everything that is given to you. Instead of using several pieces of tissue, just use a hankerchief. Bring your own tupperware to pack food from the stalls or a basket or a re-usable bag instead of using the plastic bags to hold your groceries.



IT IS AS EASY AS THAT!

WASTE MANAGEMENT

PRACTICE THE 4R2C CONCEPT!

RETHINK: do I really need it?

REDUCE: buy less! **REUSE:** be creative!

RECYCLE: papers and the rest!

COMPOST: your fruits and veggies!

CLOSE THE LOOP: buy recycled items!



OFFSET YOUR WASTE

PLANT TREES or buy carbon credits to offset your carbon emissions produced from your waste!



MAKE THIS YOUR GOAL TODAY AND TOGETHER, WE CAN BUILD A BETTER FUTURE!

MAKE A CHANGE IN YOUR LIFE MAKE A DIFFERENCE TO THE ENVIRONMENT



WAY OF LIFE FOR RIVER OF LIFE

WHAT IS RECYCLING?

Recycling turns materials that would otherwise become waste into valuable resources and in the process, generates a host of environmental, financial and social benefits.

WHAT CAN BE RECYCLED?

Here are some of the common household waster that can be recycled.



BENEFITS THE ENVIRONMENT

IN THE PRESENCE OF OXYGEN WITH MICRO-ORGANISM

REDUCE ORGANIC WASTE **AS A NATURAL FERTILISER WALUABLE NUTRIENTS RETURN TO THE EARTH**

IIRAL

CREATIN ILISER **FERT** FROM ORGANIC WASTE

COMPOSTING TECHNIQUES

There are different techniques that can be used to make compost. However, the principle or the process involved is still the same. The principle is to have alternate layers of brown and green materials that are covered up by soils.

FLOWER POT COMPOSTING TECHNIQUE:

WHAT YOU WILL NEED:

Empty flower pots, green and brown materials, soil.



BROWN (wood) materials: Dry leaf, twips, sticks, etc. Rich in Carbon



GREEN materials: Veggie and fruit peels, etc. Rich in Nitrogen

STFD 4

At every layer that is covered up by soil make sure to water it (damp). Do this alternately until the pot is full and move to the next pot.

STFD 3

For the next layer, put in the brown materials and cover loosely with a layer of soil.

STEP 2

Put in a layer of green materials and cover them loosely with a laver of soil.

Do not compact the soil.

water and a shovel.

STED 1

Put a layer of gravel or stones at the bottom of the pot for aeration. Put a layer of soil (about 2 inches) on top of it.

It is important to make sure all holes and crevices are covered with soil to avoid pest and pets from digging up the food.

During the decomposition process, make sure your compost is moist and well aerated. Oxygen is important for your compost in order to avoid the anaerobic process (which produces biogas) from taking place. Once in a while, try to bore some holes into your compost as this allows aeration. Please note that there should not be any bad odour during the process except for an earthy/natural scent. The compost will be ready for use within 4 to 6 months.

REDUCE WATER POLLUTION
S AND SAVE THE RIVER

CLE USED COOKING OIL ING THEM INTO SOAP OR CANDLES

П

GIVE NEW LIFE TO USED COOKING OIL

HOW TO MAKE CANDLES

WHAT YOU WILL NEED:

200g used cooking oil
15g oil solidifying agent
20 drops of aromatic oil
Aluminium / tin can mould
A string / cord to be used as a wick

WHAT DO YOU NEED TO DO:



Heat a frying pan on the stove and add the used cooking oil.



Add the hardening agent as soon as the oil is heated up.



Start stirring until the crystals dissolve, then transfer the liquid into the mould.



Quickly place the wick into the liquid, leaving behind a length above the liquid. Make sure it does not fall in.



After the liquid has harden in 20-30 minutes, you can snip the wick a little shorter to make it look neat and the candle is ready to be used.

HOW TO MAKE SOAP

WHAT YOU WILL NEED:

100g used cooking oil 50g water 25g Sodium Hydroxide A 500ml plastic bottle Mould

WHAT DO YOU NEED TO DO:



Sieve the cooking oil into a mixing container to remove any particles. Add the water.



Add sodium hydroxide and shake the bottle until the crystals dissolved. You may add pandan or lemongrass juice for scent.



Once the liquid is mixed well, pour the solution into the mould.



Leave them for 3-4 days to harden.



The soaps are ready to be used.

DURIFY THE AIR INTERNATION INTO THE AIR INTO

PREVENTS DRAINPIPE BLOCKAGE
MULTIPURPOSE NATURAL
HOUSEHOLD CLEANERS

GRAGGE FRAGME

FERMENTED WASTE JUICE FROM KITCHEN WASTE

HOW TO MAKE GARBAGE ENZYME

WHAT YOU WILL NEED:



WATER



FOOD SCRAPS

(vegetables and fruit skins: apple, orange, pineapple, pear, watermelon, grape, lemon, guava etc but do not use durians). Never use any kind of meat!



JAGGERY OR BROWN SUGAR

Use brown sugar. Never use white sugar.



WHAT DO YOU NEED TO DO:



1 ratio of BROWN SUGAR

Use an airtight plastic container. Dilute 1 ratio of brown sugar, followed by 3 ratio of food scraps into 10 ratio of water.

STEP

Leave some space in the container for the fermentation process before closing the container tightly.



STEP 4

Place the container in a cool, dry, well ventilated area and avoid sunlight. It will be ready to be used after 3 months and it should be a dark brown colour.



During the first month, open the container daily to release the gas to avoid pressure build-up and to ensure a supply of oxygen to promote aerobic fermentation. Once in a while, stir and push the floating garbage downwards



NOTE:

Avoid using too much orange or lemon peels as it will be too acidic and will kill the good bacteria needed for the fermentation to start.

If the enzyme is black, add in the same amount of sugar and start the fermentation process again.

Fully utilise the residues by reusing it for the next production by adding fresh scraps, use as fertilizer by drying and grinding, pour into the tollet bowl, or add some brown sugar and flush to help purify the sewage.

The longer the enzyme ferments; the better it is and the best part is, it never emires!

Never store the garbage enzyme in the fridge.