

# MY GARDEN ON RAINY DAY!

Team No: 09

Subject: Colorful Chemistry

# TEAM MEMBERS AND TASK ALLOCATION.

- ◉ Shahzeb (PAKISTAN)



- ◉ Natnicha Punyainkaew (Thailand)



- ◉ We have to make a project by the help of soaps.

# SCIENTIFIC PRINCIPLES RELATED TO THE PROJECT.

- ◉ Acid raining.
- ◉ Maintaining Eco-system.
- ◉ Weather change.
- ◉ Water cycle.
- ◉ Precipitation.
- ◉ Increase in water table.
- ◉ Increase in agriculture.
- ◉ Maintaining nutrients cycle for the growth of the plants.

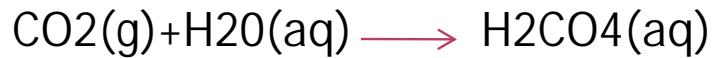
# SCIENTIFIC PRINCIPLES OF SOAP.

- Taking soap base which use to make lather. Then, add some amount of milk. Melt the solution, when it starts melting stir it with stirrer, and add olive oil in it. When its completely melt, then pour the solution in another beaker and add dye whatever you like. After that, pour the mixture into the container. Wait half an hour and your soap is ready to use.
- Soap is used as
- Emulsion.
- Supponification
- soap

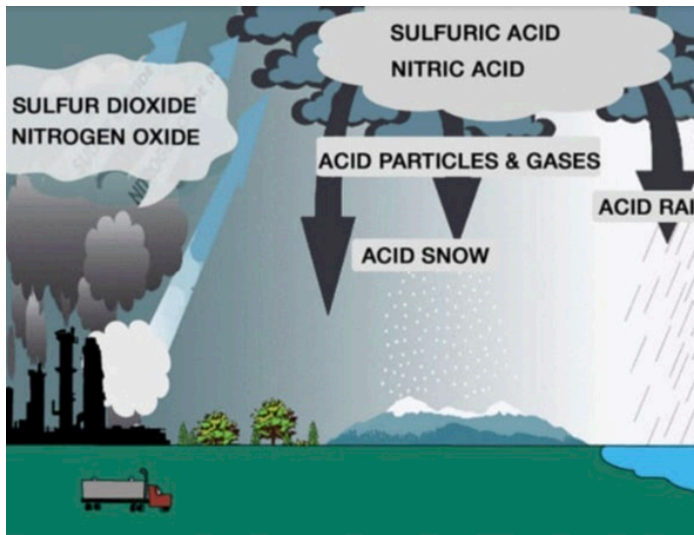


# OTHER INFORMATION.

- We have made a garden. The purpose of making that garden was aware the people to plant tree so that the atmosphere of our world would be balanced. As we know, if we do deforestation in a huge number then ozone layer will be effected and chances of acid rain will be increased. And carbon dioxide increase. In the presence of Carbon Dioxide in the atmosphere the natural rain it self form carbonic acid.



It will also effect the ecosystem, many of the birds, animals are died



- ◉ Due to weather change, humans are mostly effected.
- ◉ As an individual, I suggest to plant more trees, as it will maintain the ecosystem, water cycle and nutrient cycle.

# VIABLE PROJECT.

- Observation/ Problem:

In Sukkur, Pakistan, there is huge pollution observed ( garbage management is poor) due to which many aspects of life are affected.

I plan to start Recycling Business , in which number of employments can be introduced for community, ecosystem would be saved from potential threats and sale from recycled products materials would benefit me.



# PROPOSED SOLUTION

Development of recycling plant.

- ◉ Collection of recyclable materials from garbage.
- ◉ Categorization of recyclable material. ( paper, plastic, clothes)
- ◉ Sorting of material which would be recycled.
- ◉ Development of product line ( plastic used to make dustbins only )
- ◉ Manufacture of product ( dustbins)
- ◉ Publicity of the product
- ◉ Distribution to different shops/ markets.

# MICRO-PLANNING

- Hiring of staff district wise.
- Staff distribution according to different tasks. ( garbage pickers- street level , garbage collector - collection points , garbage categorizers - sorting garbage according to types, production plant managers- recycling production management staff, Human Resource Managers-for recruitment and publicity, Product distribution managers)

# MICRO-PLANNING

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  - garbage pickers,
  - garbage collector,
  - garbage categorizers
  - production plant managers
  - recycling production management staff,
  - human Resource Managers,
  - product distribution managers

# POTENTIAL RESULTS

- ◉ District level garbage disposal units and sub-units in practice
- ◉ City level organized garbage disposal system
- ◉ Visible reduction in garbage
- ◉ Opportunities of three tiers of employment
- ◉ Optimizing the use of garbage through recycling

