

The Relation Between Plastic Issues & Climate Crisis

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Objectives

Define plastic

Discuss the risk of plastic issues on ocean and animals

Outline the impact of plastic on climate crisis

Explain the effect of plastic on human health

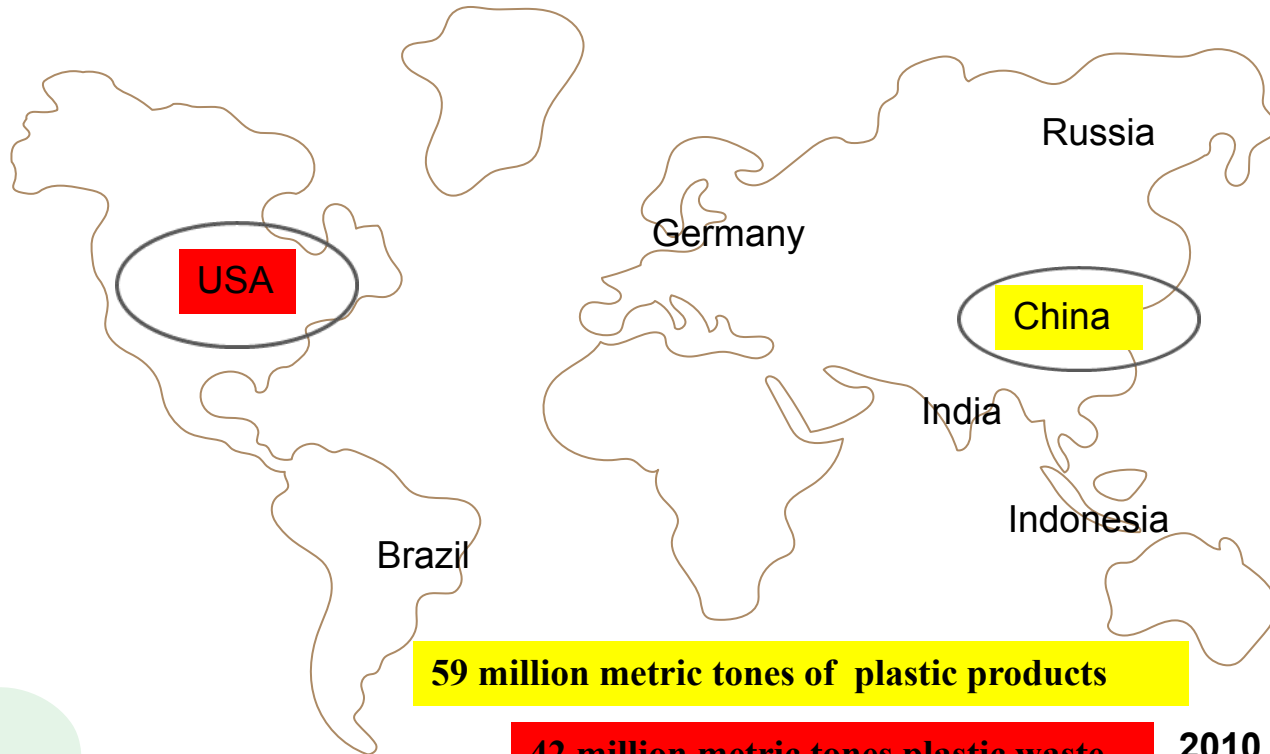
Goals of prevention

Definition of plastic

- ❖ Plastic useful in our live.
- ❖ Plastic has a lot of disadvantages.
- ❖ Plastic is composed of network of molecules “monomers” bound together to form macromolecules “polymers”.
- ❖ The first plastic was manufactured in New York in 1907.



The highest rates of plastic product and waste in the world.



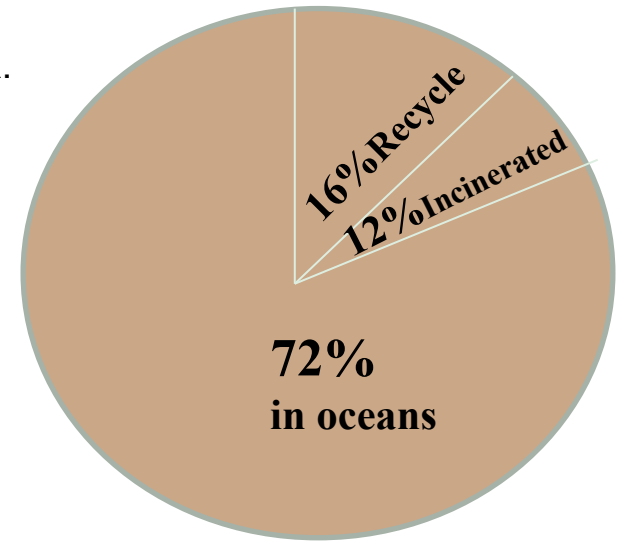
Plastic on climate crisis

- ❖ Production of plastic would add **850** million metric tones of green house gases to the atmosphere.
- ❖ Carbon dioxide increases to **2.8** million metric tones from 2019 to 2050 per year.



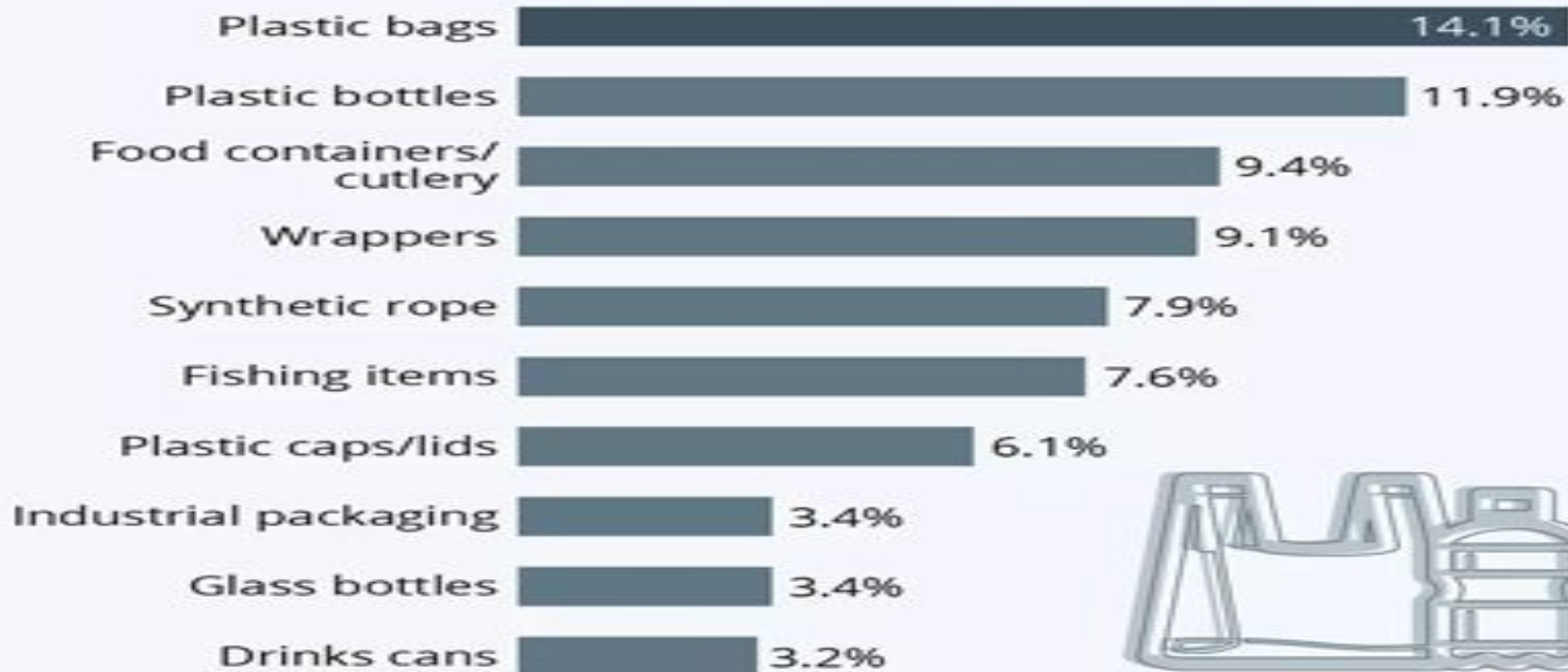
Risk of plastic issues on ocean and animals

Plastic found across all regions of the ocean.



Plastic Items Dominate Ocean Garbage

The 10 most widespread waste items polluting the world's oceans*



In India a lot of cows die because eating plastic.

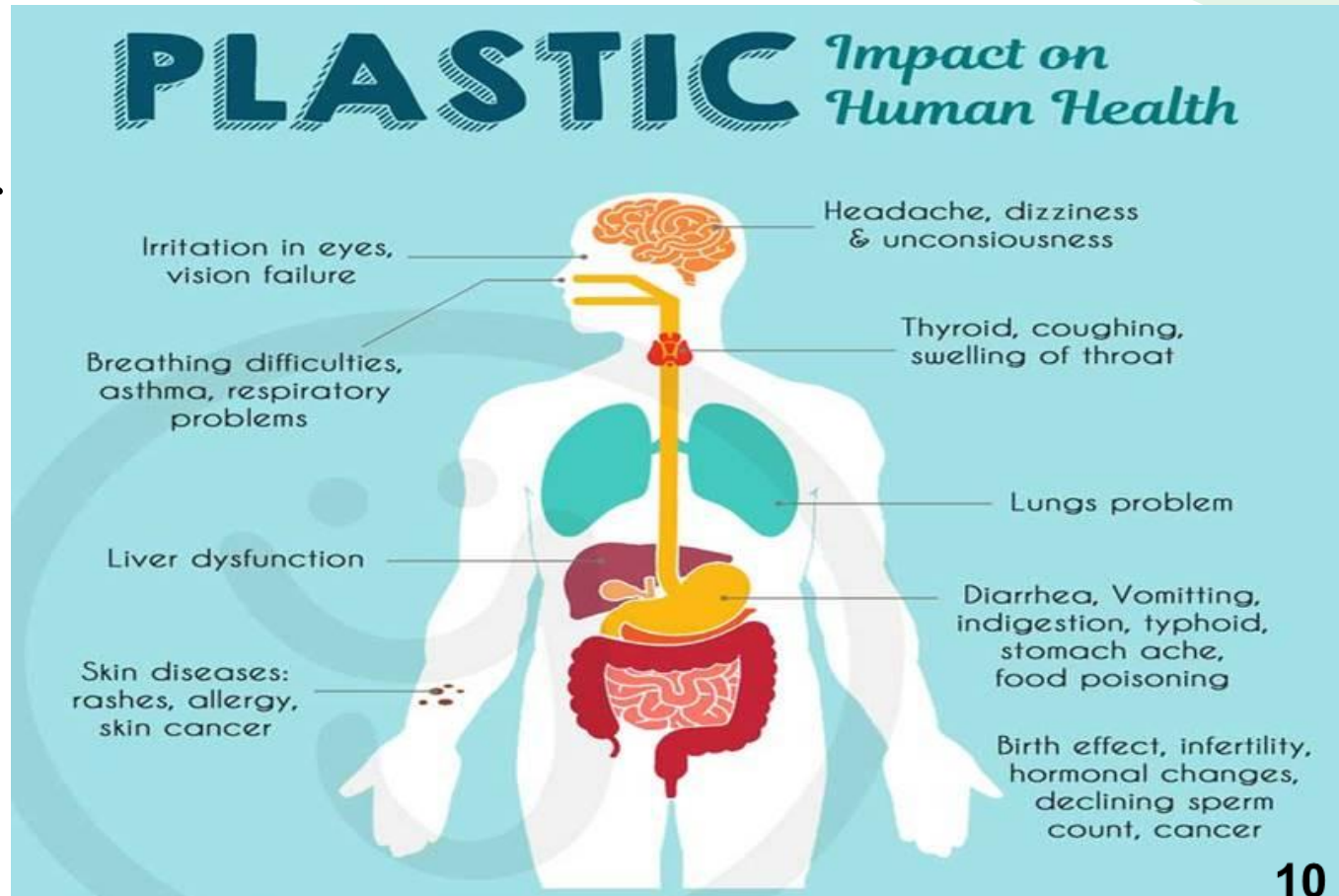


Fig: 2. Large quantity of foreign bodies recovered after rumenotomy. Fig: 3. Varieties of foreign bodies removed from a cow rumenotomy.



Effect of plastic on human health

Many of plastic's particles can enter in our bodies and causes diseases.





Plastic has an effect on pregnant women ,it can causes miscarriage or deformities of the fetus , especially mothers who live and work in landfills.

Goals of prevention

Individual solutions & Government solutions



- | | | | | |
|-------------------------------------|--|--|--|---|
| 1 | 2 | 3 | 4 | 5 |
| REFUSE
Single-use plastic | REDUCE
The amount of plastic you use | REUSE
Containers and plastic bottles | RECYCLE
Plastic you cannot reuse | RE-THINK
The products you buy |
| | | | | |

Conclusion

To sum up, plastic issue causes a lot of problems in our earth. However, the solutions mentioned above should be taken into consideration. If governments establish widespread rules and awareness programs, plastic issue will decrease significantly soon.

References

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2- Cynthia S, Annual plastic emissions to2050. Center for International Low.2019

3 - Ryan M, NG staff, Sea EA. Total plastic waste generation. 2016 .

4- Carmen M - Casuelles EA. Waste items found in seven equatic eco systems globally. Statista Journal. 2021.

SAY 'NO' TO PLASTIC



THANK YOU