

GURU GOBIND SINGH PUBLIC SCHOOL, CHAS

WEEKLY ASSIGNMENT

CLASS - VIII SUB - CHEMISTRY

PLASTICS AND ENVIRONMENT

1. DISADVANTAGES ASSOCIATED WITH PLASTICS :-

- (i) Plastics are NON - BIODEGRADABLE, hence do not decay or rot by natural processes. Therefore, plastic waste causes soil pollution.
- (ii) Dumping plastic in water bodies causes of Aquatic life.
- (iii) burning plastics release toxic gases which cause air pollution thus it may result in the various health hazards.
- (iv) plastic bags carelessly thrown on the roads find way into drains, which choke drains and sewage systems. This result in the overflow of sewage water causes diseases like malaria.
- (v) Plastic bags thrown in garbage, with food in them, are sometime consumed by animals like cows. This may choke their respiration system and lead to death of animals.
- (vi) Use of recycled bags to keep food items in them is also harmful for health.

2. WAYS TO REDUCE PLASTIC POLLUTION :-

- (i) The best way to reduce pollution caused by plastic is to recycle them.
- (ii) Use jute, cloth or paper bags instead of plastic bags when you go for shipping.
- (iii) Reuse plastic bags and containers for other purposes instead of throwing them.
- (iv) Try to buy products that have less plastic packaging.

RULES OF MUNICIPAL CORPORATIONS FOR COLLECTING WASTE :-

- (i) GREEN BINS - for collecting biodegradable wastes.
- (ii) BLUE BINS - for collecting non - biodegradable waste.

Note - Remember 4R formula (Reduce, Reuse, Recycle and Recover) to minimise the damage caused by the plastic to the environment.

Answer the following questions :-

1. Why are plastics considered an environmental hazard? Give reason in support of your answer.

2. What is the formula to minimize the damage caused by the plastic to the environment?
3. What is the purpose of green bins and blue bins has made available by municipal corporations ?