







Date 20 M T W T F S S . In the shew electrons are forming bonds with neighbour atom. Semi conductor how four election in their valence sheet. These type of semiconductors one made out of such cogolals usually silveon crystaks. Stitons silicon coyptal con hanoform into one of two distinct types of conductors. N-type and P-type semiconductors 1) N-type Semileenductors, created when the dopontis an element that has 5 electrons in its valence shell. Phosphorus is commonly used for this purpose. purpose. 2) P- type Semiconductors: Greeker when the dopont (such boson) has 3 electrons in Pts valence shell P-type semiconductors, hole one continously moving ground the crystalias election their to fill them NOTE ON POLO The word poliomyletis derives from Greek word related to infamation Citis) of the gray (pois) matter of the spined cond (myelos). It is injections vival disease that some fines results in praterior This Payerion mostly affect the children and young adults and is coursel by 3 given vivorco-Type 1 Brunhilde type - languing . Type 3 - I tean. By 30% till 2015. In 9st 5 year various countries got free from Dolle except sikidem and Afghaniska. It is diagnosed by solating the virus from an injected person using through cultures stool samples, fruit samples of brain and spiral cood. If treatment is a There is no cure for polio, no drug or medication can half the poliovirus destruction in the body.

Date 20 M T W T F S S but few se severa meetical treprovents can reduce the severity of the disease - Mild cases of polio do not require specific bestment Some have physical therapy is used to prevent the disease USES OF ELECTROMAGNETIC RADIATIONS 4) Electromasmetic radiations are what every day life. 1) To hest the food micro wases are used to micronave over 2) Rador waves are used in negter Meg pro 4) Uttra violet waves are used to in teliscope to view the dislant bout 5) X-rays are used to identify the problem in bones of human body. QNO 4: Ans(c) Common causes of Water Pollution There are various opuses of water follution. such as. 1) Industrial wastwater and domestic waste water. these depletes the oxygen from water as it's domann porces and suffocate aquatic lofe. 2) Domestic Sewage. It contains faces of cow and other domestic animal. It strade injections diseases through contaminated dinying war supplies which leads to water borne disease like drawher. 3) waste from agricultural lands and libery green. It was stimulated granta of algoe which decompose and deplete the oxygen.

40 Industry and mining silen: It possible in fresh water environment for long periods. It accumulates in the flower of son and sheet fish. (5) Fragmantation of since by dams: It comman in oxygen level and decomposition rate of organic matter in the water. b) METHODS OF SOLID WAITE MANAGEMENT Auce
Ly Recyclee
Ly Recovery
Ly and fill.

done throw Reduce I is posal of soid waste can be done through above methods 1) Reduct: It is most favoured option and il is also known as oxvention option. It means reducing the waste at source. It can be done through to heducing packaging of any product, redesigning products and reducing toxicity. 2) Reus we can manage the maje and save the environment by youring strategy such as evering the shapping base, disposable bottle bottle to store god worker. Old crothes to be used wake customs in textile industry. 3) Recycle It is a sexica activity that includes colleting used sound, or unlited material and through sorting and processing the regale material products into raw material. It elso includes composity of fort scraps, yard trimmings and other organic material to form compost.

Recovery Recovery of energy From the waste is the empression of most recyclable worste material into uscable hest, electricity or fuel through a variety of process including combustion, graphestion. Dypolication, anaerobic digestion and londfil gas recovery. Landfill. Pt is a reast favored option. It is coneppelly distigned structure built into or on top of governd. In which bash is separated From aree around it - It contain grobase; and corve to prevent confirmination byw the waste and the surreynding environment specialty, ground water. d) COVALENT BOND IN WATER MOLECULE AND Covaring bond in water of water molecule consists of two hydrogen and one oxygen atom. the three atoms mouses and angle H-O-H, angle between these atomic approximately 104.5. degrees. the center of each hydrogen atom is approximately 0.0957 nm from the century the oxygen atom 4

