Full Essay Test

Topic: Environment has gone beyond the tipping point now

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MIWIFS DATES 10 Pic: Envisonment has gone beyond the tipping point Outline 1. Introduction Environment is facing challanging conditions due to reaching the topping Points. Such situation is creaked due to Endiffesent human activities Combine effects and poeventive measures can over come these destructive circumstances. Ro Counch Papagoaph Environment has gone beyond the thoshold level 3. Factors that have dragged the environment beyond the hipping point. a) Rise in population b) Accelarated industrial expansion c) Water and land pollution. d) Use of hazardous energy resources.

MTWTFS DATE: e) Green house effect f) Orone hole and nuclear power plant. 9) Global warming. 4. Effects of tipping points of Environment a) Unusual change in climate b) Devastating natural disas toos. c) Destouchin of ecosystem. d) Thoeat to human security. e) Deterioration of health. f) Negative împact on economy. g) Psychological distubbance. 5. Remedies to solve overcome these devastating situations. a) Poomohom q. reforestation. b) Use of de-newable energy resources. c) Restrichom of transpoot Conclusion 6.

MTWTFS "We never know the worth of water till the well is dog" (Thomas fulles). It B a forwerful seminder that things are taken for granted until the consequences of this absence is faced Similary when environment was cleaner and healthier. Air was fresher, the water was pures and the natural habitat was thoring with diveose ecosystems. Humans initiated its destruction. As the population increased demando for basic needs also increased and this the eva of Isrdustrialization got started. Operation of industries need energy which is provided in the form of feuls Thes emissions from feal burning and nuclear power plants contributed to green house effect. and results in global warming. Global warming has now converted to global bioling which has lead to the intense climate change and this change is causing devostating natural disarters " which in twon effect impacts the ecosystem human security, human health, Psychology y eglobal economy. This havoc can be

DATE:__ MTWTFS handled by promotion of overtations destoicting toansport ay use of denewable encogy resources-Environment % facing challengery conditions due to reaching the topping points, Such situation is coeated due to indigevent human achoughes. Combine effects and implementations of preventive measures can overcome these destructive circumstances. The environment of planet Earth has entroed a state of Poseversible change Climate change has triggeoed an alaoming situation of unprecedented natural disasters. Frequent forest fires, hurricans, cyclons, jloods, dooughts and heat waves are getting intensed. According to esteem of woold bank blogs 1.81 billion People face signaficant flood sisk woold wide. the related tree cover loss in the tropics incoeased at vate of about 36,000 hectares per year (WRI). The vake of earth's temperature has orsen by an average of 0.14°F (0.08° celsius)

DATE MTWTFS 2022 was the south warmest year on record based on NOAA?; temperature data. At 1.5% an additional five topping points become possible, including changes to vast noothern forests and the loss of almost all mountain glacies. These topping points are leading to high sick of loss and damage. Rise in population is the core reason of envisonmental hipping points with the hike in population demand for baste life needs like land, food, transport, quality life, minerals and other resources also encoeased. Too this purpose deposestation is poachiced, usbanization is expanded, and more feul is burned. Deforestation has sobbed the woold of approximately 420 million hectaxes and still approximately to million hectaves of josests are cutted at the sake equivalent to 27 socies feilds per minute (Mastina aght, RI, ROR3). In this way population enplosim is degoading environment

DATE:_ MIWIFS Hike in population leads to sapid industrialization to meet the needs of goowing population. All the basic elements; food, agriculture clothes, Phaomaceutical products, contruction material, vehicles, minning and electricity are manufactured in industries. Different chemicals and gases are seemitted during manufacturing process by the combustion of fossil fuels but and polleuren Ps the major one WHO shaved a list of sin classic air pullitants in industrialized countries , such as nitrogen onides salphus dionides carbon dionides caobon monoonide, nitrogen dioride (Rabia. Munsif 17, 2020) Hence Industrius contribute to a signapicant emissions of air pallupon Beside Air pollution sapid industrialization le also a source of water and land pollution. In the manufacture process hazaodon wastes are disposed of in water bodies and soil by industries; containing meacury , lead , copper, zing

DATE:_ MTWTFS cadmium, cynade, thiocyanates, choomaks, acids alkalies and other organic substances when the water 10m the contaminated water bodies g is evaporated the chemicals also get evaporates. Similarly the volatile containing in the soil can be carvied away into the atmosphese by winds. According to the European environment Agency Toutile pooduction is estimated to be responsible for about 20%. of global water pollution from dyery flihing products. Industries are responsible for a large percentage environmental pallution Beside the water y soil pollutions caused by industries hazadores encogy resources also contribute to environmental Pellution. Hazaodorn encogy resources ar non-denewally energeources; formel feub: coal, petroleum and natural gas. Forsil feals & The source approximate two-thirds of woold wide Co emission

DATE: MTWTFS and this high (0, concentrations leads to a signapicant increase in the Easth's at temperative Fossil feuls when byone releans hazar dous gases like (0, NO, CO, So and methane which according to "santander Universidades" is releand asound 110 million tonnes per year. too this reason Benewash energy resources are not environment friendly Evaporation of hazardores energy besours geve Listh to green house effect. This effect is caused by the accumulation of green house gone lite carbon dionide, methane, Nitrous orlan Deleased by electricity a heat (31%) agoiculture (14 x.), toansportation (15x.) forestry (6x.) and nanufacturity (12x.) Green house effect occurs when the green have gous make a blanket over the earth atrophe by absorder sur light this it makes the easts much warmed. By the end of 2021 ACIGI

MTWTFS DATE: was 1.49, meaning the disect warming Enfluence of freen house games had oisen 49 porent above the 1990 base line, in which total heating Impalance (66%) Bowar due to carbo dionide (Rebecca Lindsey, 17, 2022). However goeen hause effect is one of the majo? challange to environment Beside green house effect ozone hale and nuclear power plant also cau envionmental hipping point Ozone laye E a thin layer of oracre gas which absorb ou light conning from sun while nuclear power plants operates on heat seleand dusig nuclear fission, A majos envisas mental concesos selected to hucleas power plant B the oclean of valioactive wastes such as usanium mill tailing, spent seacher feal of our sadioactive wastes while *020me layer has a hale (28.4 terring) million km2) which allow approch of . UV suys to earth. Att Reader,

DATE: MTWTFS both of them contribute to a very little amount of pollution to the environment. Mowever, still it is very harmful All the factors along with orone hole and nuclear power plant has enaced and global warming. the esa of geobal warning has ended ay now the esa of bylot I boiling has started. The first three weeks of July have been the warmest Three weeks period ever observed in second and the ocean temperatury are at this highest ever recorded levels, which has been apparent since the end of the Apoil Eaoth tenpeoatore has sisen by an average of 0.14° farenhite (0.08°C) per decade sPrice 1880 4 in 2022 the subject temperature was 1.55°F (086°C) warmer than the querage of 57.00°F(139) and 1.90°F (1.06°C) warner this. The pre industrial period Jessica Llunden, 18, 2023

DATE: MIWIFS Global boiling has coented alanming situation of planet Earth Global warmly has caused forgunt climate change. alimate change is reffered to fire long term shifts on tempioature and weather pathons that are observed to be increanly in this prequincy I duration of intensity. The consequenses of climate change now include, intense doought water scarcity, risiy sea levels nelthigg palar ice. The new globa study severaled that 80% - The world land manes has been Pupacted by climate change, influency most of The woold's people' - 7.7 billson (Mack baina, 12, 2021). Climate change has enacesbated prom bad to worseand have destructive impact on easthe

DATE: MIWIFS Climate change has become catalyst too an incoeare frequency and intensity of natural disartios. Weather patterns have altered contra winkes have contracted while summers have entended and also the ocean temperatures has enacesbated changed weather pathins causes disastions Including earthquake, Volcanic activity, land slidings, drought, cyclones, wild fives, storms and flooding. In 2020 plouds caused the death more than 6000 people and approximitely 650,000 deaths from (1970-2019) occand due to dorughts woold wide (Foick Bergueno salars 17, 2020) Merice national Ilsastiss have deated havor woord wide. Natural désastids cause signapicant destouction y ecosystem - Easth is in ecosystem on a much ylgantie scale; entional pactors such as Pollution Through Caobon denide and methane, the balance of ecosystem

DATE:____ MIWIES is destrobed to such entent that it effects everyone livery in it. 9+ dissupts food chain, cause the loss of biodiversity and habitat as black summer pires in stushilling killed on ballin animals from (2019-2020). 150,300 species on the sed list, with more thigh 42,100 species threathened with outsuchens including, 417. 3 amphibians, 377. y sharkes y rays 361. 7 building cooal reeps, 34%. of confers) 277, of mammals and 13%. of biods (Jan otte, 3, 2021). Distibling ecosystem bus triggered and alarmij situation Beside destruction of ecosystem health detropionion is also factor of conceron. climate change is Impachey heat in different ways; ontreme weather evenerovents, heat storn, All quality, food security g safety a vector destribute Heath visks like heart diseaniscances choonic despiratory desean and heat stroken

MTWTFS tasgets a number of people each years woold with ambient pallutants are estimated to cause about brillion poemative boths almost 3 milling under weigh Labies in 2019 and 16%. of lung cances deaths, 257. 9 chomin Obstructive pulpionary diseare deaths 17% y ischarmic heat diseareand stroke and about 267, of 8is-piratory Enjections deaths (PLOS nedicene > 28, 2021) and (WHO, 2016). Global health disk due to environmental tipping is at its peaks Beside health deterors abon human Security is also facily threathning situations. Due to courry toppy point climate change accelaroates, dought florts hurricans, obsear level sise, posces people to leave their homes permanently lose this access to water and food or even types lives. Other components of human security; are freedom from feas: voilent conflict for food security

DATE: MIWIES freedom of want: Dight to live a standard life and precedom to love In dignity-climate change hot only l'houds, threathers people's lives and live but also their homes culture and dignity. More than 1.5 million bays and gibls are severly malnorished, lo million people lack access to say drinking water and mixe than 33 million people were displaced, causing humanitasians needs to surge (3,2023, UN mas). Human security is at a high sist due to environmental tipping Beside human security envisonmented tipping to point has severelapact on economy also, trequent vains devasitating floods, scrothly heat, trovible storms poses high sister to agricutural farms tourist sectors, transport and communications directly affects the country's GDP - . Apart for it los of homes, house hald

DATE:__ Encorres, assessts , vising food prices doreanes out Liveake have devastating MIWIES impact on economy. In 2022 unprecedented plooding in par Pakistan caused \$ 14.9 Willian Pro damages \$ 15.2 billion Proconomic In Admages \$ 15.2 billion Proconomic loses \$16.3 billion & for dehabiliation and deconstruction, so GDP los was Projected to around 2.2 percent of FY22 GDP (WB, 3, 2022). Environmentel hopping point carried signaficant economic son: All then losses are haven direct Impact in the psychology of people. As most of the poor people are flow vithons, they donot have water or food soorces even they donot have clothis to wear. Apart from It scooching heart of summerss have direct delations with prustrated mood and also be Preseared blood pressure. There psycological situations can become à courre y voilent confercts Le environmental l'appig points can

MIWITIS DATE become a thoreat to socrety due to ahaving hegative impaction phaychology Repoxes taking can help to cope the counts occurs due the inviconmental Hopping point + Focests have many benefits not only filter als aspallation, It also filters ground water , soil and help in notralize plooding. Reposestation balances the destupted food chains, Preserve bio diversi'y, Potentialy seduce the temperature of the area by 2.2° and plants found in forests relase Phytonocides antimicrobial compounds which have advantageous health benefits. A sigle mature tree has capacity to absorb acound 21 kg of Co, per year and 23 million livens species can depend on a single tree. Expansion of horas cover on earth can entensively reduc the harmful environmental impacts. Eppiciency of reforestation on be porched

DATE: MTWTFS by the use of senewaldo energy resources Renewable encogy is drived from hatural desorters such as sunlight, water and wind which is a key to safer, cleaner, sustainable world. R avoid the woost inpacts of environmental tepping Point a reliance in formit Veh feuls should and and invest in alternation fromotion sources of energy that are cleans seliable , appordable and sustainable. The (IRENA) estimates that 90%. of world's electricity can and came for renewable energy by 2080. Use of senewally chergy sesources to oclean 2000 pellutantsand contoibute to healthy envisonment. Beside the use of senewable energy resources reduction of transport & also a matter à concern. Magor environmental inpacts wise for an from an ose of energy and transport is responsible for about a quark & of world's current encogy use - oils and

(5-2) DATE: MTWTFS forsil feuls. Fossil feuls combustion which form blanket over the Earth's atmosphese in the form of green have effects The use of electric and beel expirient 1985, change of feal vehicles to feel cell technology, and Roomoter public transport can reduce the use of harmful energy resources. Hence it is an efficient way to reduce harmful imissions. In conclusion vabiety of factors are involved in driving the environment begond the hipping ports like industrialization, encessive use of non-senewable encogy sesources, green hause effect, the ozone hale and Global warming . Although not all the topping points are coord epects like clinate change that Is leads to the disastoous cituations which is threating the hunan security

ADD THE REPORT OF THE DATE health and global economy. However there are gen served ter lite reposestation ose of senewable energy resources and toansport limitations can overcome the Disks i coeated by envision mental tipping Pointo It is well said " when dépent comes, accept it as a signal that you plants are not sound, rebuild those plants and set sall, once move toward your covered goal".