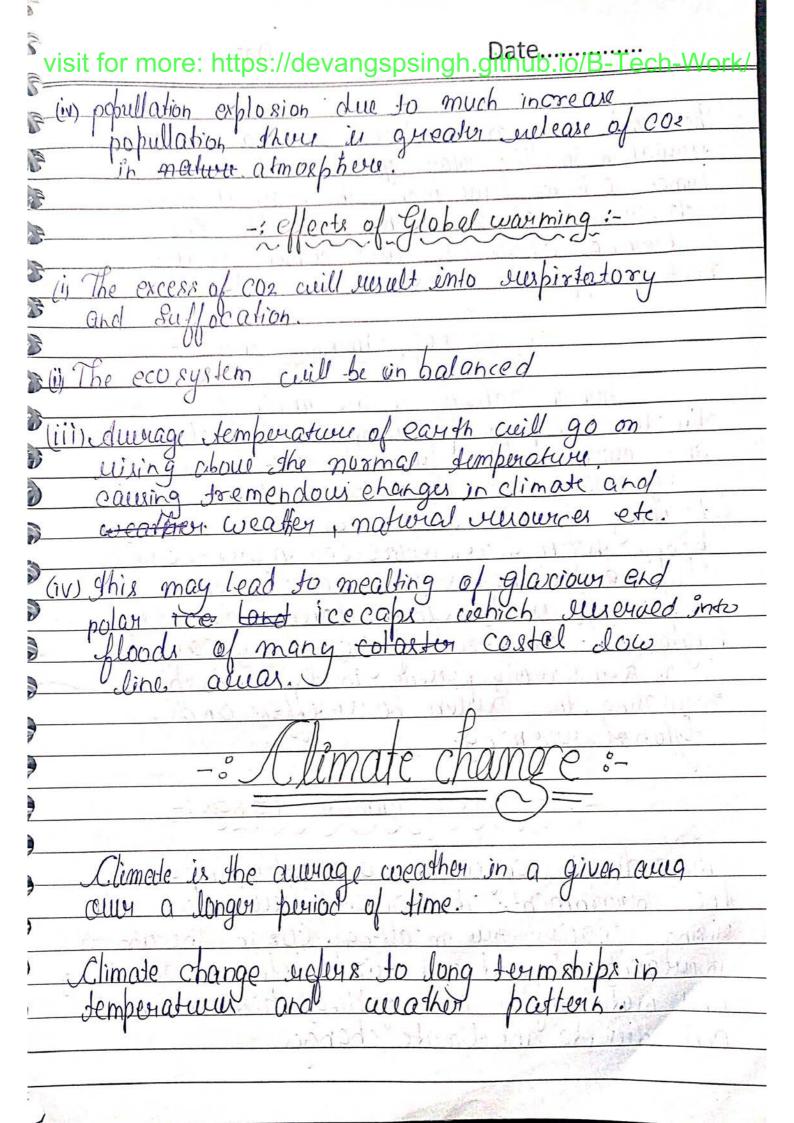
|          | visit for more: https://devangspsingh.github.io/B-Tech-yvork/  |
|----------|--|
| <u></u>  | Date   |
|          | Unit-IV  |
| 5        | The same of the sa |
| }        | (Current Environmental Issue of Importance).   |
| 7        | the state of the second to the second the second se |
| 3        | -: Acid Rain:  |
| 4        |  |
|          | The Jerm acid nain was first used by   |
| 3        | (Robert angus 8mish" in 1872   |
| 3        | Normal sain water is slightly acidic because   |
| 3        | CO2 present in atmosphere get desolved in it   |
| 3-       | formed carbonic acid.  |
|          | O - hadrier at the contract of the second of   |
| D        | . H20 + CO2> H2CO3   |
| 0        | carbonic acid  |
| 0        | A CONTRACTOR AND INCOME AND INCOME TO STATE OF S |
| <b>3</b> | Acid rain is caused by a chemical reaction   |
|          | when Sulphus di-oxide and mitrogen-di-oxide  |
| 0        | are release into the air. The Rise very high   |
|          | into atmosphere where they mix and weach   |
| 9        | enith water, oxygen etc to form sulphunic acid (H2804) and mituic oxid mixed with  |
| )        | acid (H2804) and mituic overed mixed weith   |
|          | rain dups and come down as sain is   |
| 7        | known as acid sidin.   |
| 7        | Marian Call Call Call Call Call Call Call Ca   |
| 1        | the state of the s |
| 5        | -> causes of acid rain:  |
|          |  |
| 7        | Main causes of ociderain are the societes that emitt   |
| 3        | acidic oxide! they are -   |
| 2        |  |
| <b>7</b> | (i) Pollutants emitted by automobile, aircrafts, Shipe etc.  |
|          |  |
| 1        |  |

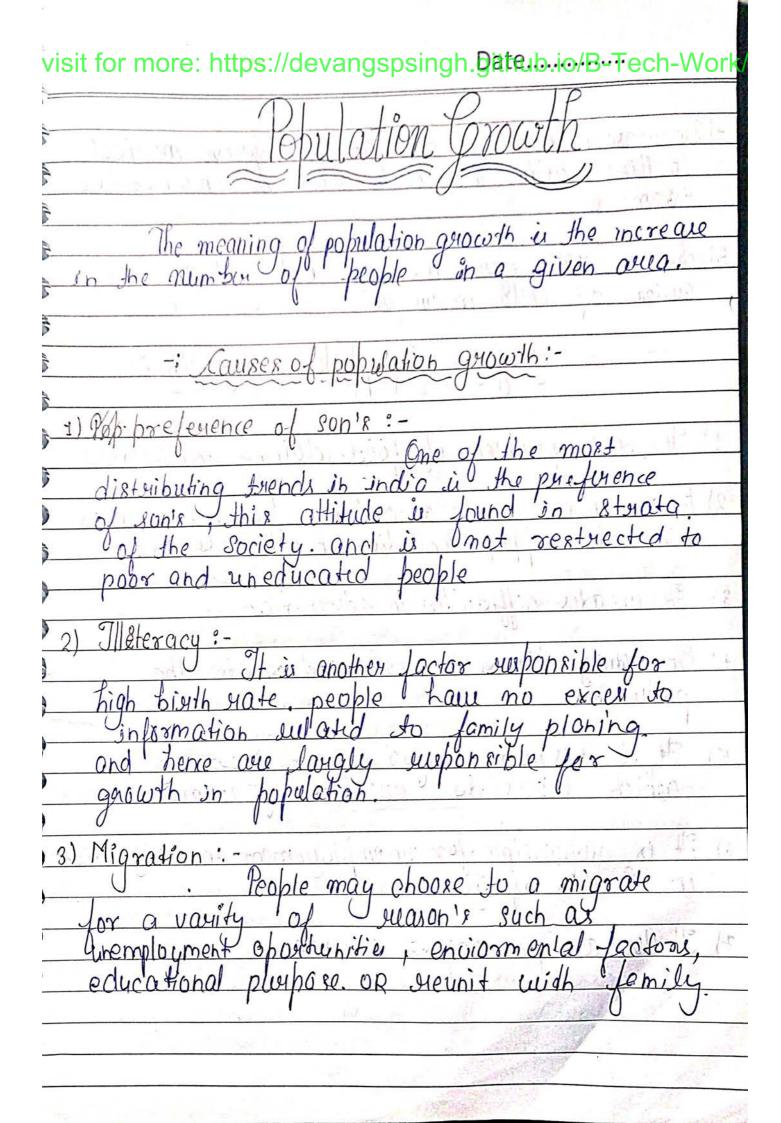
visit for more: https://devangspsingh.github.io/B-Tech his pollulants emitted by thermal power plants and (iii) pollutents emitted by acid monufacturing and explosive inclustures -> Effects of Acid rain:-The noumfull effects of acid each are the following-(i) Fresh water is spoiled and the fish population. (ii) causes damage to structure and buildings, (iii) Du to acidity lakes, ponds, sivers et the gueen algi and many form of sacturicy are Killed. Hence aquein's ecosystem is affected (iv) The rate of corriosion of matels accelerates.
(v) Due to acidity the earth bome any-killed of by Soil furtility
NO2 forms smoote in surlight which causes buithing poubland pour visibility ofer vii) Desolve Salt like: Cacos and other chemical compound in Soil shir viewell in lost of fullity of dail.

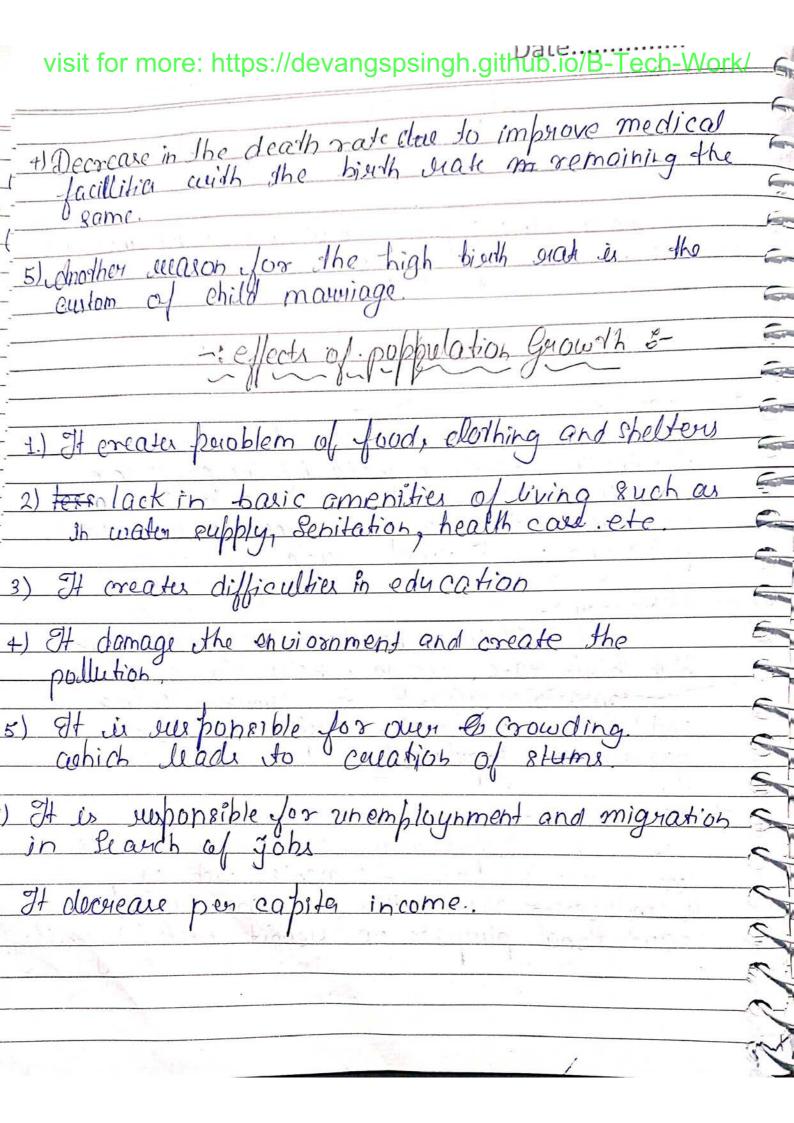
| visit for more: https://devangspsingh.github.io/B-Tech-Work/Date   |
|--|
|  |
| -: Green Loure Effect:-  |
| - Jajeen nouve   |
| E 110, Veil amed de derende  |
| 2. some of the energy a reflected and  SON: The next of It's aboroosed by the  |
| SUN The yest of It's aboroosed. By the   |
| e auss.  |
| 3. The earth also emit hear  |
| back to the space some   |
| the cough (couth) 6) this energy passes  |
| directly the Hough   |
| Through the atmosphere   |
|  |
| trap most of it teeping the planet warm.   |
| The same of herical  |
| A land the state of the state o |
| The term green house effect first coined   |
|  |
| i the booces by which radiation from the   |
| Sun are absorbed by the Green house  |
| and not replacted back into the epace.   |
| due to this the surface of the earth   |
| getir heated-up  |
|  |
| -> Green house gaser:  |
|  |
| The state of the s |
|  |

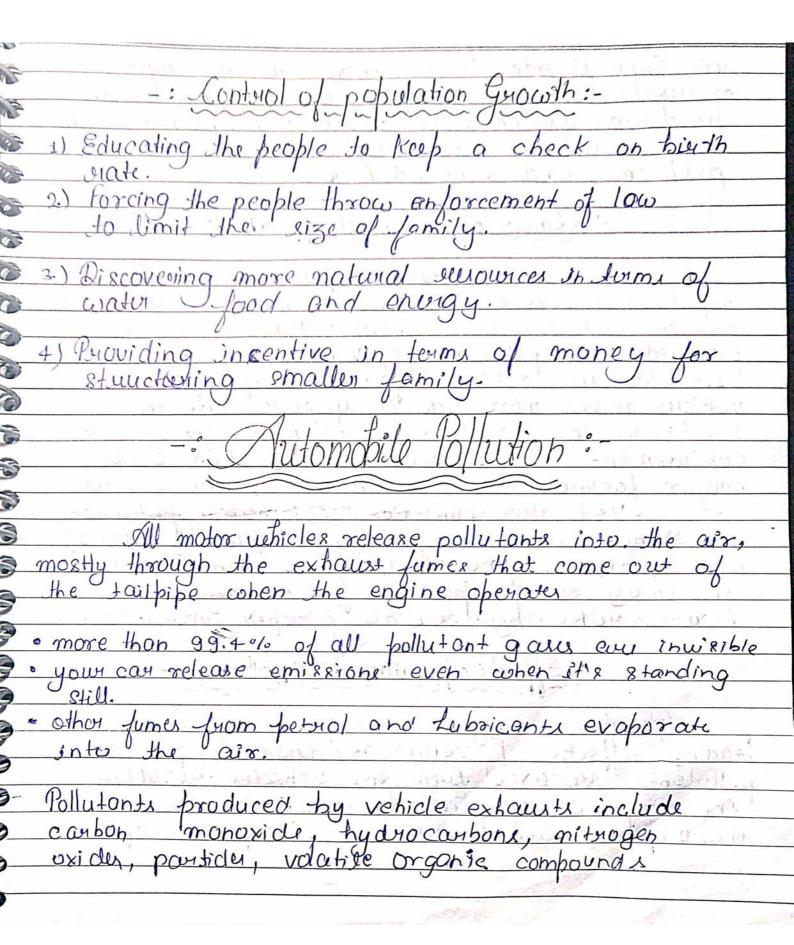
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|---|--|--|--|--|--|--|
|   |  |  | (v)  |  |  |  |
| Cnol  | Gueen Loure gares  | Sucres   | 63   |  |  |  |
| 3.114   | gueen house go   | Fossil fuels burning, Inclustrial  | 5  |  |  |  |
| -   | 1 le cuido   | Fossil fuels burning in  |  |  |  |  |
| 1)  | causon di - oxide  | 11 000 1100 1600 1100  | - 19   |  |  |  |
|   |  |  | -  |  |  |  |
| <u> </u>  | Methane  | -00110   |  |  |  |  |
|   | a Vale and the sail  | Mining sewage Handfills  | A in   |  |  |  |
|   | CFCs   | 1 Reformer of  |  |  |  |  |
|   | Crus   | Collaber 1 -toggi  |  |  |  |  |
|   | 111  | 1 lill huming  |  |  |  |  |
| -4)   | Notrous oxide  | fen ortizen sofone etation   |  |  |  |  |
| <u> </u>  | is all longer  | 1 10001341   |  |  |  |  |
| ļ-  |  | V  | 1:   |  |  |  |
|   | 20 10 20 10  |  | The state of the s |  |  |  |
|   | - La   |  | W.   |  |  |  |
|   | -8 SLOBAL WARMING 8-   |  |  |  |  |  |
| F——   |  |  |  |  |  |  |
|   |  |  | 3  |  |  |  |
|   | Port of the same   | 1 / 2 /8- 1-   | Con 1  |  |  |  |
| -   | Colonal wayming.   | is the term which indicate   | 8  |  |  |  |
| -   | the increase in the  | aurage temperature of  | -3   |  |  |  |
| 1   | In a land factor   |  | 5000   |  |  |  |
|   | the amosphere.   | THE STATE OF THE S |  |  |  |  |
|   | 1 1 4 7  |  |  |  |  |  |
|   | -: Coure   | s of Global warming:   |  |  |  |  |
|   |  |  | -  |  |  |  |
| (0)   |  | 1 (5) (8) (8) (1 (1 (1 (1 (1 (1 (1 (1 (1 (1 (1 (1 (1   |  |  |  |  |
| (1)   | RUNING of LOSKIT LIN   | els such as - coal, petroleum  | rete   |  |  |  |
|   |  |  | and the same of th |  |  |  |
| (il)  | The one is ordeand   | into admishbers in the low   |  |  |  |  |
|   | · l caraba l quelan  | into atmosphere in the form  | b ·  |  |  |  |
|   | of shoke ph manin  | obiles, ships etc  |  |  |  |  |
|   |  |  |  |  |  |  |
| 1:11.6  | plants and Irules are amailable to saver to saver con the plants and con the forest of the same and control of the saver o |  |  |  |  |  |
| the second of second one forther deriver                      |  |  |  |  |  |  |
| plants and July and amoilable to                              |  |  |  |  |  |  |
| abenyl Cos  |  |  |  |  |  |  |
|   |  |  |  |  |  |  |
|   |  |  |  |  |  |  |
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| 1   |  | = Carlos   | 100  |  |  |  |
|   |  |  |  |  |  |  |









Date..... visit for more: https://devangspsingh.github.to/BeTech-Works
and Sulfur clioxide, lydrocarbons and mrtslogeTech-Works
oxidu neact with sunlight and warm temp. to form ground-loud ozone a main ingrédient problems and lung damage -: Lauser of dulomobile pollution? The major cause of vehicle pollution is the rapid increase in the number of vehicles over the last fow decades, most vehides have been produced. The population of vehicles was about

1.+ bilion in 2020 itself. The morpid growth in

vehicles means more fittel is unquired which

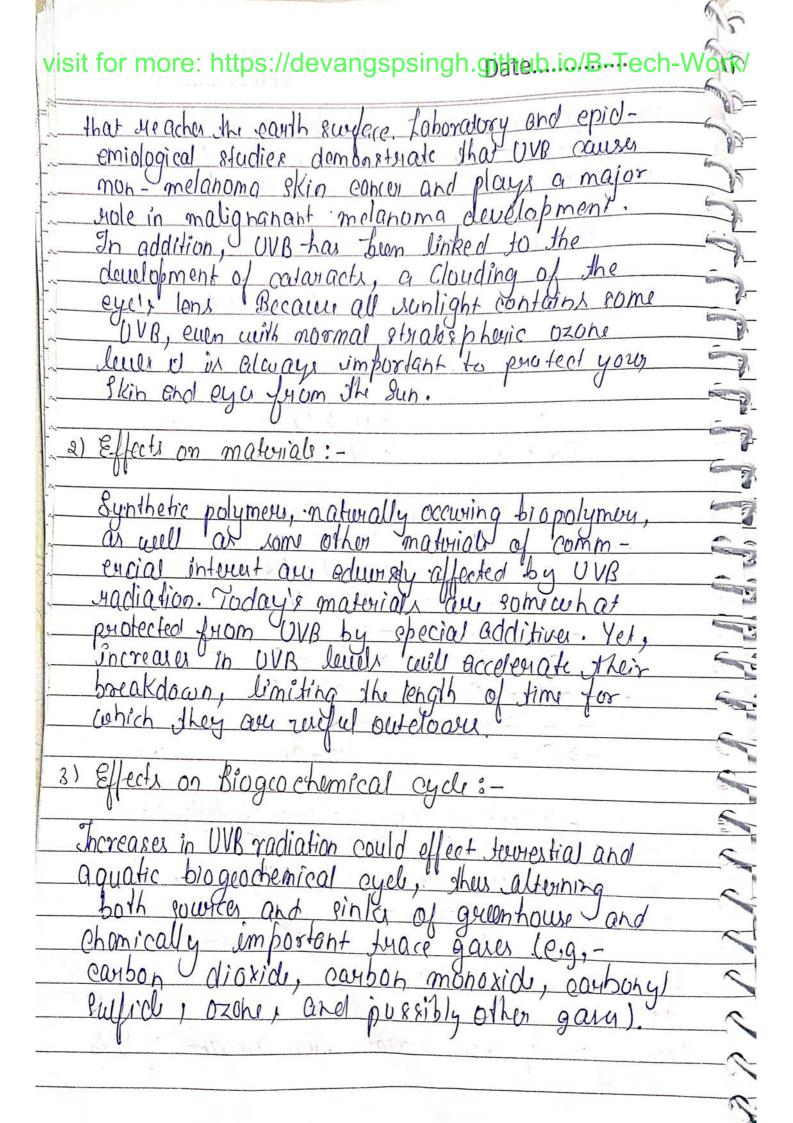
environment that cause oir pollution other major factors that contribute to the increase Vehicular pollution / idutomobile pollution old vehicle, congerted traffic which results in imag, no proper traffic management, two-stroke engines, no proper maintenance -: Effects of dutomobile pollution:-Global warming is considered to be the leading effects of vehicular/Automobile pollution pollutants released from the vehicles unrulting try emission of guellos house gase into the almospher achien susults in depletion of

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|          | Date   |
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| ==       | the ozone layer. Depletion of the ozone layer usults in an increase in the atmospheric   |
| <u> </u> | land balante and in the same a |
|          | waining. other effects of veniculary   |
|          | acid main formation, reduction in the quality of air cohich reflects townism and it also causes health problems and  |
|          | ling-releited diseases.  |
|          | JACE NURSALA   |
|          | 1) 7   |
| 1        |  |

visit for more: https://devangspsingh.ghte.io/B-Tech-Work Szone LAYER The ozone layer is a thin point of earth atmosphery that absorb all most all of the sun hamfull ulting violete light oxone is a molecule made up of thous oxygen atoms, often sufvience a 03. Ozone is form heat and sunlight caus chemical uchetions - $2 \frac{OV}{Radiation} \rightarrow O + O$ OR+O - Radiation (020ne) \* Ozone Layer Depletion \* the statusphere, where it should shield the earth from harmfull ultra violet radiation. cohen exide of chlorine, Bromine, nitrogen and hydrogen atom come into confact with ozone in exone elepletion occur when chlorofluro carbon (cFC) formally found in spra, conerand, suchegrator, air-condition \* Mechanism of ozone Hole formation \* Although the ethoroflow carbon's are insert in physical reaction but they

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|--|
| which is released book allitude conciuntly then  |
| they togetical capital mechanism is explain to   |
| they foratical contine mechanism is explain so below by means of following reactions-  |
|  |
| CFacla + hv - > CFacl + cl   |
| (radianon)   |
| CFaCl + OR - CFaO + ClO  |
|  |
| formation of ozone   |
| the state of the s |
| 0  0 + 0   |
| $08 + 0 \longrightarrow 03$  |
|  |
| Depletion of ozone   |
| $Cl + O2 \longrightarrow ClO + O2$   |
|  |
| $\begin{array}{cccccccccccccccccccccccccccccccccccc$   |
| $\frac{1}{-} \rightarrow cl + O3 \longrightarrow clO + O2$   |
| $\begin{array}{cccccccccccccccccccccccccccccccccccc$   |
|  |
| $\rightarrow Cl + CO - OD$   |
| e - man an also me aid no delicit.   |
| -: Effects of Ozone de leyer depletion:-   |
|  |
| There are following main effort air below of   |
| ozone layer deptetion - 11   |
| - with which in the tradeouter of the man  |
| 1) Effect on human health: ->  |
| The second of th |
| Ozone layer depletion increases the amount of UVB  |
|  |



visit for more: https://devangspsingh.gitPateo/B-Tech-Work/ Then polential changes would contribute to biosphere - atmosphere feed backe that mitigate or amplify the atmosphere concentrations of then gare. 4) Effects on plants:-OVB radiation affects the physiological and clerulopmental processes of plants. Despite mechanism to suchuce as suppoin their effects and an ability to adapt to incurand level of OVB, plant growth can be directly affected by OVB radiation. Thelived change calued by UVB ( such as changes in plant form, how nutrients our changes in plant form, how nutrients our distributed with in the plant, timing of developmental phases and secondary metabolism) may be equally or sometimes may than damaging effects of UVB. They changes can have important implications for plant competitive balance, hostivory, plant disease, and this are changes and bib geochemical cycles.

visit for more: https://devangspsingh.gitPate.io/B-Tech-Work/ Stubble burning is a method cof sumowing poddy crop residues from the field. To Sow week from I dhe last week of Reptember to november. After paddy its have asted in mid and late october, the field are clape with a grubble Etalks amo Ebout twafceet height because the fowing eycle for cecheat bigger in late october, Janner Leur very lette time to perspare dheir field so and then clear the viewduces. -: Effects of burning of paddy straws 1) In addition to it's effects on air quality.
2) Stubble Dwining also affects the soil furtility of it's melberents 3) Emore from burning vegitation contains toxic gaves such as earloon mono-oxide, carrbon di- oxide other green hour gases that is enter the clarge and affect elespository fyskm.

| ********                | Date   |
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|                         |  |
| Controls of -           | burning of Raddy silvació  |
|                         | paddy manually,  |
| solution is to Larvaste | paddy manually   |
| which leafs no stubbl   | e stu bruth  |
|                         | The state of the s |
| After mapual hanvertine | g and manual   |
| I dhyashing paddy       | yesiduce is rued as  |
| wooden Jodden fo        | or animal ideat  |
| concert lit into        | milk or animal pereus  |
|                         |  |
| A-poult is used as      | badding for animals  |
| in the culting.         | A TO MAKE IN THE STATE OF THE S |
|                         | E a se   |
|                         | The state of the s |