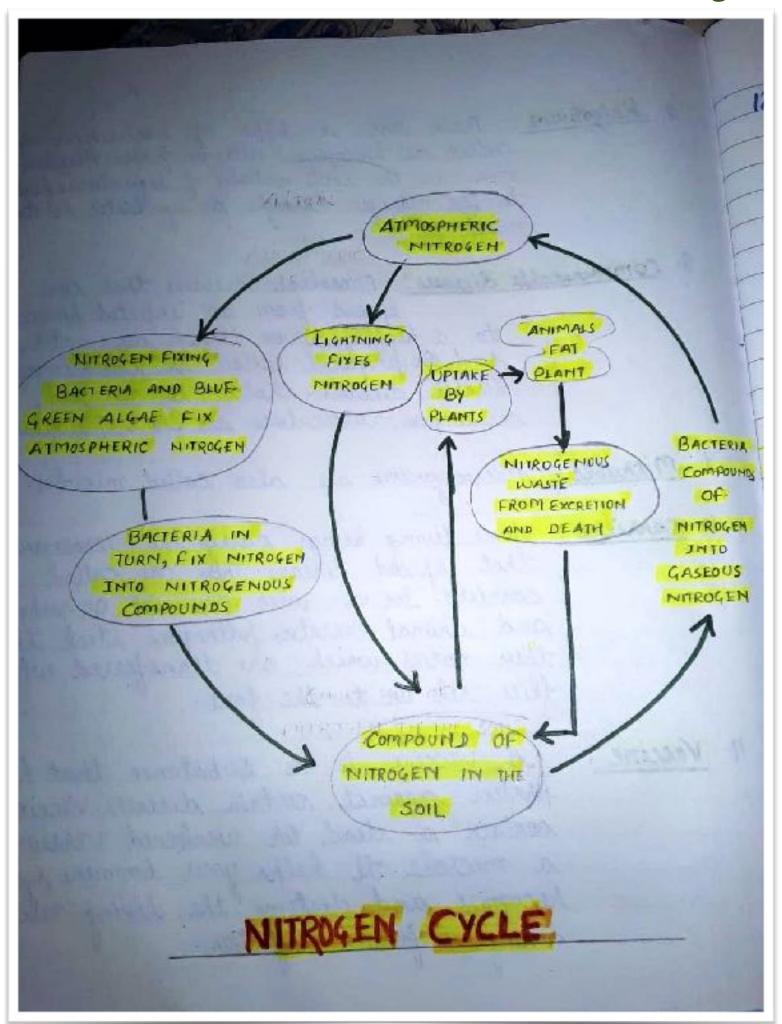
CLASS _	SCIENCE TO THE PERSON OF THE P
LESSON -2	Michophganisms: Friend and Foe (NOTES)
1 Michockganis	These are too small and are not in visible to the unaided eye. They cane, line in all kind of environment range. - ng from ice cold climate to hot springs and disert and marshy lands.
2. Vikus:	There are quite different from Other in microorganisms. They refroduce only inside the host organisms which may be bacterium. I heart or ahimal. Diseases like AIDS, Polio, Chicken fox, influenza (flu) and most cought are coused by viruses.
3. Bacteria:	These are the microorganism that produce in humans diseases like typhoid and tuberculosis.
4. Photozoa:	They are the microcrganisms that can cause serious diseases like dysentery and malaria.
5 Fermentation	: The process of conversion of Sugar into alcohol is known as furnertation.
6. Pathogens:	Disease souring Organisms are called hathagens. Teacher's Signature

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7. Rhizobium	These are a type of bacteria commodyn Called as biological netrogen fixers. Rhizobium, lines in the root nodules of leguminous plade to fix nitrogen through a symbiotic relation maken. - mshep.
	Called as biological mitteren lixers. Rherobien
	lines in the root nodules of leguminous plants
	to fix nitrogen through a symbiotic relation
	-Mshep.
8 Communica	the diseases: Microbial diseases that can
	spread from an injected person of
	to a healthy person through air, water,
	-nicable diseases . Cholura, common cold,
	checkenhox, tuberculoses are some of diseases.
9 Microbes	: Microsoganisms are also called microbes.
	· clame living beings carry the microorganisms
10 carriers	
	A C CARL WITE CLUBBY THE TRANSPORT
	and animal excepta, polhogens stick to their bodies which are transferred when
	their bodies amuch the food.
	flies set on to the food.
	A vaccine is a substance that helps
11. Vaccine	protect against certain diseases vaccines
	mortain a culair immine butom
	a microbe It helps your immune system
	secognize and according
	a microbe It helps your small square herope and dutroy the living microbe during a feature injection.



Nitrogen fixation: Some bacteria and blue green algae are able to convert nitrogen from the almosphere in its usable form to enrich soil with nitrogen and increase the fertility of soil. This from is called Aitregen fixation.
Nitrogen Cycle: Atmosphere consists of 78% of nitrogen gas which is one of the essential constituents of fall living organism. It rannot be taken directly by plants land animals. Nitrogen-fixing bacteria fix lit to the soil taking it from atmosphere which is converted into unable forms. There are used by plants and animals when they die, the bacteria and fungi present in the soil convert nitrites and nitrates of these animals into nitrogen which is released into the atmosphere This is called nitrogen cycle.
Pheservatives: Salts and edible are the common chemicals generally used to check the growth of microargenis. They are called preservatives. 15. Pasteupisotion: When milk is heated to Fo°c top 15 Sec. and then suddenly chilled and stoked, and then suddenly chilled and stoked, the growth of microbes in the milk is prevented. This process was discovered by hours fasteur, so it is called pasteurs ation.

	Qu./Ans
Qu1	Fill in the blanks:
	Microorganisms can be seen with the help of a
(6)	Blue green algae fex nitrogen directly from sir to enhance fertility of soil
(c)	Alcohol is produced with the help of yeart.
(d)	chalera is caused by bacteria.
Qu2	Tick the cohrect answer:
(a)	Yeast is used in the froduction of (1) Sugar (11) hydrochloric acid (11) oxygen
(b)	The following is an artibiotic (1) Sodium bicarbonate (11) Streptomycin (11) Streptomycin (11) Yeast
(c)	Carrier of malaria causing protogoan is (1) Female Anapheles mosquito (1) Cackroach (1) housefly Teachers Signature

(d) The most common car is (1) ant (11) draganfly (e) The bread or idli day (i) heat (ii) growth of yeast cells (f) The frozen of converse is called (i) nitrogen fixation (iii) fermentation	(11) howefly v (11) Sheder gh rises because of (11) grinding v (11) hereading
Qu.3. Match the Organisms action in column B. ANS A Bacteria Rhizobium Hactobacillus Yeast Y A protozoan VI A vikus	Choltra fixing nitrogen Setting of Curd baking of bried causes malaria causing aids AIDS

ANS No, we carnot see them with uraided eyes. They can be seen with the help of a microscope.
ANS The major groups of microarganisms. (Bacteria (ii) furgi (iii) protozon (iv) algaev) virusus
Aus They are rhizobium, blue green algae etc
ANS The usefulness of microarganisms are as follows:
(11) hactobacillus, a bacterium is useful ir formati of curd (11) Microorganisms like bacteria are also involved in the making of cheese fickly etc in the making of cheese fickly etc in they are also used in cleaning up of environment.
(IV) They are also used in agriculture to (IV) Bacteria are also used in agriculture to increase soil fertility by fixing nitrogen

(v) Microerganisms like yeast are used for the forduction of alcohol since ago. (vi) they are used to make vaccines. (vii) Microerganisms are used to make manures. (vii) Microerganisms are used to make manures. (vi) Some microerganisms are used to make manures. (v) Sobout 50% of almospheric carbon dioude is fixed by microerganisms. Que white a short harageath on the harms caused by microerganisms are as follows. (v) Many communicable distasses such as cholers, common cold, chicken fox, tuberculoses etc are coursed by microerganisms. (v) Many communicable distasses such as cholers, common cold, chicken fox, tuberculoses etc are coursed by microerganisms. (v) Malaria is caused by microerganism called flumding carried by female anafhelis mosquite. (vi) Anthox is a dangerous human and cattle disease caused by bacterium called Bacillus anthracis disease caused by bacterium called by microerganisms.
wheat, rice, fortale, sugarcane, Orange, affle and wheat, rice, fortale, sugarcane, Orange, affle and wheat, rice, fortale, sugarcane, Orange, affle and wheat, rice, forther sugarcane, orange, affle and wheat, affle and substance is also caused by microorganism (VI) Food foisonous by froducing texic making food faisonous by froducing texic substance in the food.

