



BIOLOGY

BOOKS - CBSE COMPLEMENTARY MATERIAL BIOLOGY (HINGLISH)

MICROBES IN HUMAN WELFARE

Vsa

1. Why is secondary treatment of water in sewage treatment plant called biological

treatment?



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2. An antibiotic called 'Wonder Drug' was used to treat the wounded soldiers of America during World War-II. Name the drug and the scientist who discovered it.



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3. You have observed that fruit juice in bottles bought from the market are clearer as compared to those made at home. Give reason.



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4. Name the plant whose sap is used in making 'Toddy'. Mention the process involved in it.



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1. Name two alcoholic drinks produced in each of the following ways.

(i) by distillation and

(ii) without distillation.



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2. Lactic acid Bacteria (LAB) is commonly used in the conversion of milk into curd. Mention

any two other functions of LAB that are useful to humans.



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3. Which Ministry of Govt, Of India had initiated ganga action plan and Yamuna Action plan? What are the objectives of these plans?



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1. Fill in the blanks spaces a,b,c,d,e and f, given in the following table.

S. No.	Name of Organism	Commercial Product	Application
1.	<i>Penicillium notatum</i>	<i>Penicillium</i>	(a)
2.	(b)	Lactic acid	Making Curd.
3.	<i>Streptococcus</i>	Clot buster enzyme	(c)
4.	<i>Trichoderma polysporum</i>	(d)	Immuno suppressive agent
5.	<i>Saccharomyces cerevisiae</i>	ethanol	(e)
6.	(f)	Swiss cheese	Food Product



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2. What is biochemical oxygen demand (BOD) test ? At what stage of Sewage treatment this test is performed?

BOD level of three samples of water labelled as A,B and C are 30mg/L, 10mg/L and 500 mg/L respectively. Which sample of water is most polluted?



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3. Given below is the Flow chart of Sewage treatment. Fill in the blank spaces marked 'a'

to 'f'.

Sewage treatment is done in step, subjected to filtration and sedimentation, called.....(a).....



Supernatant is shifted to separate tanks and air is pumped mechanically, called.....(b).....



Microbes grow into masses, called.....(c).....



There is reduction in.....(d).....



Bacterial flocs are allowed to settle, the sedimentation is called(e).....



After Secondary treatment, the water is released into(f).....



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