



Indian School Nizwa

Std-XII – Biology

CH-10 Microbes in human welfare. WORKSHEET

Microorganisms	Use
HOUSEHOLD USE	
1. Lactic acid bacteria (LAB)	
	Making bread, dough for idli, dosa
2. Propionibacterium sharmanii	
3. [fungus]	Rouquefort cheese
BEVERAGES	
4. Saccharomyces cerevisiae	
ANTIBIOTICS	
5. Penicillium notatum	
6.	Tetracycline
7. Streptomyces griseus	
8.	Neomycin
9. Streptomyces erythrum	
10.	Polymyxin B
11. Bacillus subtilis	
12. Cephalosporium fungi	
CHEMICALS	
13. Aspergillus niger [fungi]	
14.	Acetic acid
15. Clostridium butylicum	
16. Lactobacillus	
17.	Ethanol
18. Penicillium purpurogenum	

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BIOACTIVE MOLECULES	
19.	Streptokinase[clot buster]
20. trichoderma polysporum	
21.	Statins [cholesterol lowering agent]
22. bacteria inside bryozoan	[anticancer drug]
SEWAGE TREATMENT	
23. methanogens	
BIOGAS	
24.	Biogas
ENZYMES	
25.	Pectinase
26.	Lipase
27.	protease
CONTROL OF PESTS	
28. Bacillus thuringiensis	
29. [fungi]	Biocontrol agent for plant pathogens
30. Baculovirus [nucleopolyhedrovirus]	
BIOFERTILIZERS	
31. Rhizobium	
32.	Enrich nitrogen content in the soil
33.	Absorbs phosphorus from soil and pass it to plants.
34. Cyanobacteria- anabaena, nostoc,oscillatoria	