

Chapter- 10 Microbes in human welfare

1. Microbes

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2. Examples of microbes in household products

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3. Importance of lactic acid bacteria

A.

B.

4. Reason of puffed up appearance of dough

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5. Types of cheese

A.

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B.

6. Traditional drink of south India

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7. Use of fermentor

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8. Example of microbes in production of beverages

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10. Types of alcoholic beverages

A.

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B.

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10. Antibiotic

11. Discovery of penicillin

12. Some diseases which can be cured by antibiotics

13. Examples of acid producers

Aspergillus Niger (fungus)

Acetobacter acetic (bacteria)

Clostridium butylicum (bacteria)

Lactobacillus (bacteria)

14. Examples of enzyme producer: streptococcus bacteria produces..... Which is used as a clot buster

15. Role of microbes in detergent industry

16. Bottled juices are clearer than home made juices

17. Importance of cyclosporine A:

18. Microbe used for cyclosporine production

19. Importance of statins

20. Microbe used for statin production

21. Mode of action of statin

22. Sewage meaning

23. Steps in sewage treatment

24. Sewage treatment

A -primary treatment

B- secondary treatment

(1) aerobic treatment

(2) Anaerobic treatment

24. Two plans initiated by ministry of environment and forests

A

B

25. Goals of these plans



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26. Biogas

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27. Bacteria involved in production of biogas

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27. Biogas production

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28. STPs

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29. IARI

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30. KVIC

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31. Biocontrol

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32. Major approaches of organic farming

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33. Developing appropriate means of biocontrol:

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34. Example of insects used in biocontrol

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35. Examples of microbial biocontrol agents

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36. There is a large pressure to switch to organic farming

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38. Biofertilizers and their classification

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A. Bacteria

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B. Fungi

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C. Cyanobacteria

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1. What are microbes?

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2. Give examples of microbes in household products

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3. Give importance of lactic acid bacteria(any 3)

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4. What is the reason of puffed-up appearance of dough? Name the microbe responsible

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5. Describe types of cheese

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6. Name traditional drink of south India

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7. What is the use of fermentor-

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8. What is the role of microbes in production of beverages? Name the microbe involved . Explain types beverages

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9. What is the antibiotic? Who discovered penicillin and how was it discovered?

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10. Name some diseases which can be cured by antibiotic

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11. Examples of acid producers : aspergillus Niger(fungus)- citric acid, Acetobacter aceti(bacteria) acetic acid, clostridium butylicum (bacteria) Butyric acid , Lactobacillus (bacteria) lactic acid

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12. Examples of enzyme producer: strepto coccus bacteria produces streptokinase which used as a clot buster

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13. What is the role of microbes in detergent industry?

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14. Why are bottled juices clearer than home made juices?

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15. What is the importance of cyclosporine A? Name the microbe used for its production ?

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16. What is the importance of statins? Name the microbe used for its production . What is its mode of action?

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17. What is sewage ? How is this treated ?

18. Name two plans initiated by ministry of Environment and forests . What are the goals of these plans?

19. Define biogas . Name the bacteria involved in production of biogas . Where are these bacteria found?

20. Draw a labeled diagram of biogas plant and how is biogas produced ?

21. Expand STPs , IARI, KVIC.

22. Define biocontrol. What are the major approaches of organic farming?

23. How can you develop appropriate means of biocontrol?

24. What happens if a particular harmful species is completely eradicated by the use of chemicals

25. Give examples of insects used in biocontrol.

26. Give examples of microbial biocontrol agents

27. Why is there a large pressure to switch to organic farming?

28. What are biofertilizers? Classify them