



BIOLOGY

BOOKS - NAVNEET PUBLICATION

LIVING WORLD AND CLASSIFICATION OF MICROBES

Question Bank

1. Enlists the units of classification.



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2. Who invented 'binomial system' of nomenclature ?



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3. Which levels of hierarchy are considered while writing the name in binomial nomenclature ?



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4. Rewrite the sentences after filling the blanks

:

The process of dividing living organism into groups and subgroups is called -----



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5. Rewrite the sentences after filling the blanks

:

Organisms with cell wall but are not able to perform photosynthesis are called -----



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6. Rewrite the sentences after filling the blanks

:

Most of the fungi are -----



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7. Rewrite the sentences after filling the blanks

:

Viruses can be seen only with -----



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8. Rewrite the sentences after filling the blanks

:

----- viruses attack bacteria.



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9. Rewrite the sentences after filling the blanks

:

Most of the fungi are -----



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10. State whether the following statement are True or False. Explain your statement :

Lactobacilli are harmful bacteria.



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11. State whether the following statement are True or False. Explain your statement :

Cell wall of fungi is made up of chitin.



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12. State whether the following statement are True or False. Explain your statement :

Organ of locomotion in amoeba is pseudopodia.



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13. State whether the following statement are True or False. Explain your statement :

Plasmodium causes dysentery.



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14. State whether the following statement are True or False. Explain your statement :

Tomato wilt is a viral disease.



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15. Find out my partner :



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16. Find out my partner :



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17. Find out my partner :

(3) Living organism	Group
(1) <i>Clostridium titani</i>	(a) Heterotrophic Protista
(2) <i>Paramecium</i>	(b) Fungi
(3) <i>Chlamydomonas</i>	(c) Bacteria belonging to Monera
(4) Baker's yeast	(d) Algae
	(e) Virus

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18. Find out my partner :

(4) Microbes	Size
(1) Virus	(a) 1 mm to 10 mm
(2) Algae	(b) 200 mm
(3) Protozoa	(c) 10 mm to 100 mm
(4) Bacteria	(d) 10 nm to 100 nm



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19. Who am I ?

I don't have true nucleus, cell organelles or plasma membrane.



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20. In five kingdom system of classification group without cell organelles and well organised nucleus are included in.....



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21. Who am I ?

I live on decaying organic matter.



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22. Who am I ?

I reproduce mainly by \wedge * *cell* division.

(\wedge **Binary fission)



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23. Who am I ?

I can produce my replica.



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24. Who am I ?

I am green, but don't have organs.



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25. Arrange the following in ascending order of size :

Bacteria, Fungi, Virus, Algae



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26. Name the following / Give examples :

Three organs of locomotion in Protista :



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27. Name the following / Give examples :

Three organs of locomotion in Protista :



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28. Name the following / Give examples :

Institute in India which is involved in research on viruses :



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29. Name the following / Give examples :

Two methods of asexual reproduction in Fungi :



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30. Name the following / Give examples :

Two pathogenic protozoans and the diseases caused by them :



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31. Answer the following question in one sentence :

What are the types of living organisms according to their lifestyle ?



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32. Answer the following question in one sentence :

What are the characteristics of prokaryotic cells ?



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33. Answer the following question in one sentence :

Explain the nutrition in fungi.



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34. Answer the following question in one sentence :

When do the virus destroy the host cells ?



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35. Give answer :

State the merits of Whittaker's method of classification.



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36. Give answer :

Write the characteristics of viruses.



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37. Give answer :

Which living organisms are included in the kingdom Monera ?



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38. Give answer :

Which criteria were considered for classification method of whittaker ?



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39. Give answer :

Which criteria were considered for classification method of whittaker ?



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40. Explain merits and demerits of Whittaker's classification.



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41. Write short note :

Characteristics of Fungi.



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42. Write short note :

Characteristics of Bacteria.



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43. Write short note :

Characteristics of Protozoa.



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44. Who proposed the five-kingdom system of classification?



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45. Draw a chart showing different types of microorganisms.



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46. Draw neat and labelled diagram :

Different types of bacteria :



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47. Draw neat and labelled diagram :

Paramecium :



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48. Draw neat and labelled diagram :

Bacteriophage :



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49. Draw neat and labelled diagram :

Fungi :



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50. Draw neat and labelled diagram :

Euglena :



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51. Draw neat and labelled diagram :

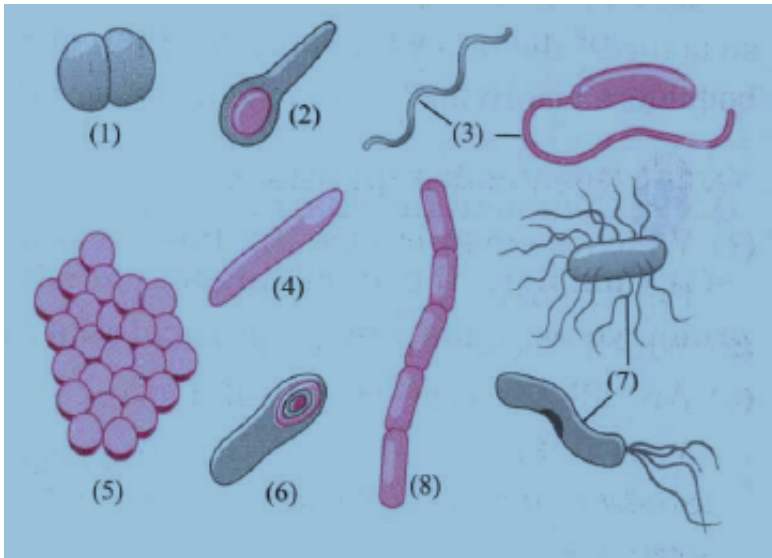
Amoeba :



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52. Draw neat and labelled diagram :

Correctly label the various organisms shown in the Kingdom Monera :



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53. Activity-based question :

Activity : Take a small drop of curd or buttermilk on a clean glass slide. Dilute it with a little water. Carefully keep a coverslip. Observe it under high power of compound microscope. What did you see ?



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54. Activity-based question :

Activity : Prepare a temporary mount of one

drop of pond of water on a glass slide.

Observe it under low power and high power microscope.



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55. Take a piece of wet bread or 'bhakari' and keep it in humid place. Fungus will grow on it within 2-3days. Observe the fungus under compound microscope and draw its diagram.



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56. Open ended question :

Which method of classification do you find the best ? Why ?



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57. Open ended question :

Which diseases are caused by viruses ?



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58. Open ended question :

Are all the bacteria harmful, what do you think ?



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59. MCQs based on experiments :

Experiment 1 : To observe lactobacillus in curd/buttermilk.

Which of the following bacterium is used to make curds from milk ?

A. Streptococcus

B. Lactobacillus

C. Staphylococcus

D. Clostridium

Answer: A



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60. MCQs based on experiments :

Experiment 1 : To observe lactobacillus in

curd/buttermilk.

In which kingdom is Lactobacillus included ?

A. Monera

B. Protista

C. Fungi

D. Plantae

Answer: B



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61. MCQs based on experiments :

Experiment 1 : To observe lactobacillus in curd/buttermilk.

In which kingdom is Lactobacillus included ?

- A. Virus
- B. Blue-green algae
- C. Fungi
- D. Protozoa

Answer: C



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62. MCQs based on experiments :

Experiment 1 : To observe fungus on the bread

In which kingdom is fungus growing on the bread included ?

A. Fungi

B. Protozoa

C. Monera

D. Protista

Answer: A



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63. MCQs based on experiments :

Experiment 1 : To observe fungus on the bread

.

A. Sporangiphore

B. Rhizoids

C. spores

D. Columella

Answer: C



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64. MCQs based on experiments :

Experiment 1 : To observe fungus on the bread

.

A. Fungus has affinity for food

B. Fungus grows on decaying organic matter

C. As food is open, the fungus drops on it
and starts growing

D. None of the alternative correct.

Answer: B



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65. What is the work done by National Institute of Virology located at Pune ?



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66. How many micrometers is one metre ?



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67. How many nanometres is one metre ?



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68. Give any two examples of unicellular, autotrophic, eukaryotic organisms that

perform photosynthesis with the help of chloroplasts.



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69. What is study of viruses known as ?



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70. Which virus attacks bacterial cell ?



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