



# BIOLOGY

## BOOKS - NAVNEET PUBLICATION

### CELL STRUCTURE AND MICRO- ORGANISMS

#### Question Bank

1. What is the name of the minute components of which the body of a living organism is

made? Is the number of these smallest units the same in the bodies of all living organisms?



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2. What is meant by microorganisms?



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3. Categorise the following organisms into two groups, according to size - amoeba,

paramecium, euglena, snail, elephant, pigeon, worms.



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4. What happens to the sweetmeat or bread forgotten in a lunch-box for three or four days?



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5. What do we do with such spoilt food? Why?



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6. Fill in the blank with the proper word :

The organelle called the ..... is present in plant cells only.



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7. Fill in the blank with the proper word :

Garbage is converted into ..... by microorganisms.



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8. Fill in the blank with the proper word :

In the cell, photosynthesis is carried out with the help of .....



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9. Fill in the blank with the proper word :

An electron microscope is necessary for the study of .....



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**10.** Fill in the blank with the proper word :

..... assembled various lenses to construct a microscope.



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**11.** Fill in the blank with the proper word :

The ..... is the most important organelle of the cell.



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**12.** Fill in the blank with the proper word :

..... are called the powerhouse of the cell.



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**13.** Fill in the blank with the proper word :

The process of ..... is used for making yoghurt from milk.



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**14.** Fill in the blank with the proper word :

Some microbes release toxic materials called \_\_\_\_\_ into the food.



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**15.** Fill in the blank with the proper word :

Pathogens are released in the air when a person having an infection of the ..... sneezes or coughs.



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## 16. Match the columns:

Group 'A' - Cell organelle	Group 'B' - Function
(1) Mitochondria	(a) Function of photosynthesis
(2) Lysosomes	(b) Throwing of unwanted material
(3) Endoplasmic reticulum	(c) Destruction of cell
(4) Golgi body	(d) Control over cell
(5) Ribosome	(e) Proper distribution of proteins
(6) Nucleus	(f) Powerhouse of the cell
(7) Vacuole	(g) Sprawling net - like transport system
(8) Plastids	(h) Production of proteins



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## 17. Match the columns:

Group 'A'	Group 'B'
(1) Paramecium	(a) less than 100 micrometres
(2) Bacteria of typhoid	(b) 28 nanometres
(3) Polio virus	(c) 1 to 3 micrometres
(4) Some microbes	(d) about 100 micrometres



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## 18. Match the columns:

Group 'A'	Group 'B'
(1) Yellow fever	(a) Antibiotic
(2) Pneumonia	(b) Infection due to contaminated water
(3) Cholera	(c) Infection due to contaminated air
(4) Penicillin	(d) Bite of female mosquito



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## 19. What is difference between us?

Plant cell and animal cell.



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**20.** What is difference between us?

Prokaryotic cell and eukaryotic cell.



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**21.** Answer the given question :

What is a 'cell'?



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**22.** Answer the given question :

Name the different organelles in a cell?



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**23.** Answer the given question :

When is electron microscope used?



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**24.** Answer the given question :

What are microorganisms?



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**25.** Answer the given question :

Which are the different types of microorganisms?



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**26.** Answer the given question :

Who discovered the process of fermentation?



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**27.** Answer the given question :

Who formulated the theory of cellular structure? When? Write in brief about this theory.



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**28.** Answer the given question :

Explain the uses and the harmful effects of microorganisms.



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**29.** Answer the given question :

When will you use a simple microscope and when, a compound microscope? Explain in detail how you will use them.



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**30.** Answer the given question :

What exactly happens when we have fever?



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**31.** Answer the given question :

What are antibiotics? How are they prepared?

What is their use?

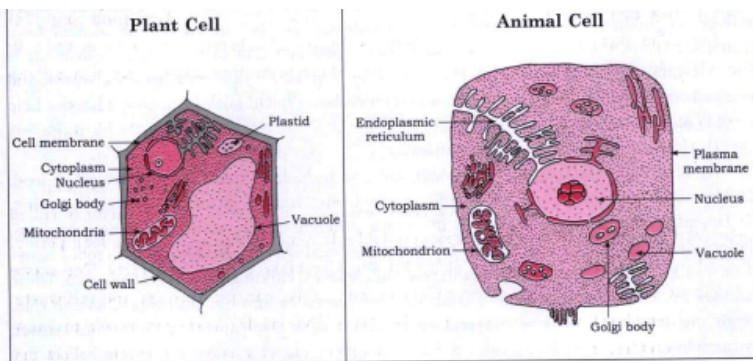


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**32.** Answer the following question with neat and well-labelled diagrams :

Sketch and describe in your own words, the plant cell and animal cell.



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**33.** Answer the following questions with neat and well-labelled diagrams :

Describe prokaryotic cell with a neat, well labelled and suitable diagram.



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**34.** Use your brain power :

Where do the life processes of unicellular organisms take place?





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**35.** Use your brain power :

How do the cells acquire definite shapes?



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**36.** Use your brain power :

How are cells protected?



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**37.** Use your brain power :

What are the needs of cells?



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**38.** Use your brain power :

Why should dry and wet waste be collected separately?



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**39.** Use your brain power :

Why is yoghurt mixed in the batter or dough for making rava-idli, bhature, naan.



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**40.** Use your brain power :

How do preparations like yoghurt, idli, dosa become easy to digest?



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**41.** Use your brain power :

What is the correlation between the normal body temperature of humans which is  $37^{\circ}C$  and the optimum temperature for the growth of microorganisms,  $15^{\circ}C$  to  $35^{\circ}C$ ?



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**42.** Give scientific reasons :

Diseases spread on a large scale during periods of heavy rainfall and floods.



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**43.** Give scientific reasons :

There is a possibility of food poisoning if we eat stale food.



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**44.** Give scientific reasons :

Soil is turned over during tilling.



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**45.** Give scientific reasons :

Fungus grows quickly in moist or humid conditions.



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**46.** Give scientific reasons :

A refrigerator is used in almost every home.



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**47.** Give scientific reasons :

Bread 'rises' during baking.



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**48.** Give scientific reasons :

Fodder is soaked in water before offering to cattle.



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**49.** Answer the given Question :

How will you know that a foodstuff is spoilt?



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**50.** Answer the given Question :

What precautions will you take while purchasing food? Why?



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**51.** Answer the given Question :

Why do food poisoning incidents occur during marriage or other community feasts?



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**52.** Answer the given question orally :

What happens if clothes remain damp in the rainy season?



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**53.** Answer the given question orally :

What are the black or white spots sometimes seen on gunny bags?



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**54.** Answer the given question orally :

Why are leather articles like purses, wallets, belts, footwear always polished before storing away?



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**55.** Answer the given question orally :

What is the powdery material found on old currency notes or old rubber or paper?



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**56.** Answer the given question orally :

Why are infants vaccinated according to a fixed time schedule? What is a vaccine?



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