

India's Number 1 Education App

BIOLOGY

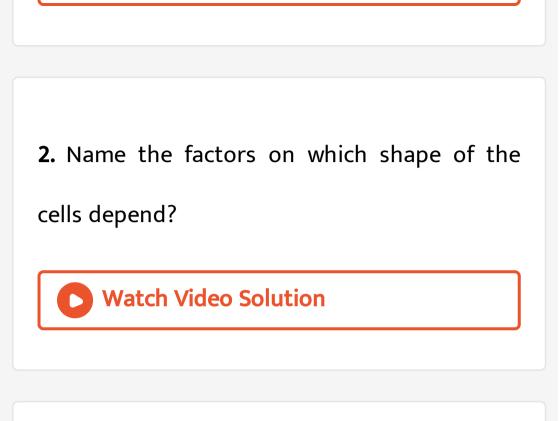
BOOKS - VGS PUBLICATION-BRILLIANT

CELL-THE BASIC UNIT OF LIFE



1. Who discovered the cell for the first time?

What procedure did he follow ?



3. Distinguish between unicellular and

multicellular organisms.

4. How will you prepare slide without drying quickly?

Watch Video Solution

5. Deekshith said that, "we can't see cells with unaided eye". Is the statement true or false? Explain.

6. Correct the statement and if necessary rewrite

 • Watch Video Solution

7. Correct the statement and if necessary rewrite.

Nucleus controls cells activity.

8. Correct the statement and if necessary rewrite.

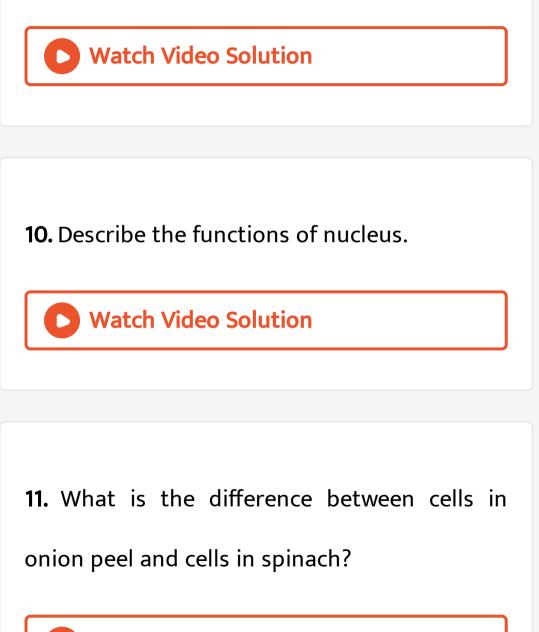
Unicellular organisms perform all life processes like respiration, excretion, growth, and reproduction.

Watch Video Solution

9. Correct the statement and if necessary rewrite.

To observe nucleus and organelles clearly,

staining is not necessary.



12. Label parts for diagrammes given belwo? And identify which one is plant cell and which oen is animal cell.

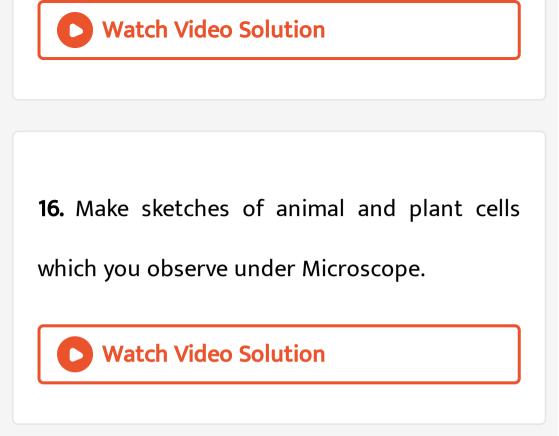
Watch Video Solution

13. What questions will you pose to know

diversity in cells?

14. Distinguish between unicellular and multicellular organisms.
Watch Video Solution

15. Collect different kinds of leaves from your surroundings and observe the shapes of the epidermal cells under microscope.Make a table, which contains serial number,name of the leaf,shape of the leaf,shape of the epidermal cells. Do not forget to write specific findings below the table.



17. Ammer said "Bigger onion has larger cells when compared to the cells of smaller onion".Do you agree the with his statement or not?Explain why?



18. How do you appreciate the fact that animals. Man and trees are made of cells, which ar very small and we can look at them through microscope?

Watch Video Solution

19. Deepak said, "A plant can't stand erect without cell wall". Support this statement.

20. What are the structures present in the

cells ?

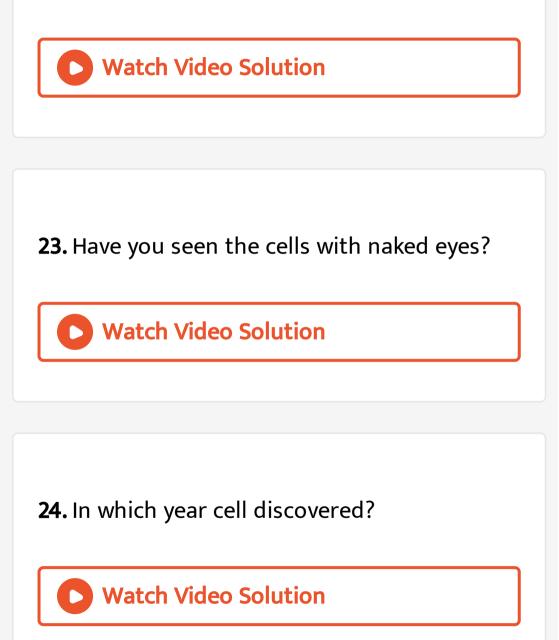


21. Why cells are considered to be structural

and functional unit of life?



22. What is the need of cell wall in plant cells?



25. Name the scientist who observed cells.



26. Is there any special devices used to study

the cell?

Watch Video Solution

27. Name the different devices used for discovery of cell.



28. Can we see living cells under the microscope?

Watch Video Solution

29. Preper permanent slides of Onion cell, cheek cell and compare practically - what are the structures observed in the cells?

30. Did you see a tiny dark stained thing in all cells ?



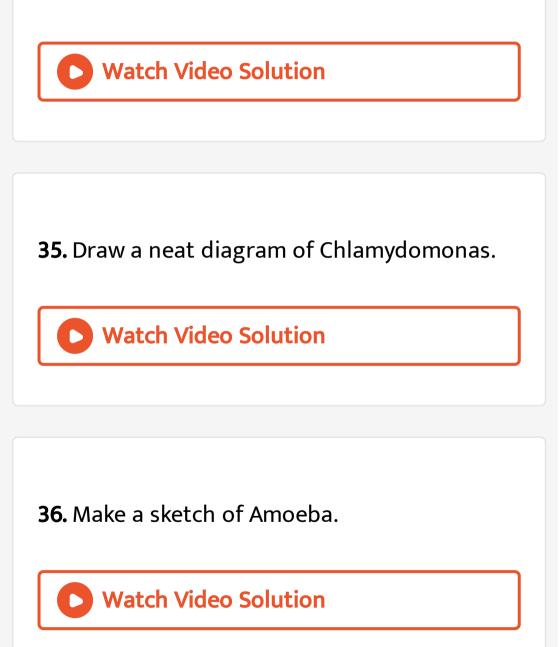
31. Prepare permanent slide of onion cell, cheek cell and compare practically What is the different between boundary of onion cell and cheek cell?

32. Prepare permanent slide of onion cell,cheek cell and compare practicallyWhat is the different between boundary ofonion cell and cheek cell?

Watch Video Solution

33. Explain diverstiy in leaf cells practically.

34. Make a sketch of blood cells.



37. Have you listened to the words of the cell ? Guess how big a cell is? Is this number and sizes of cells in both man and elephant the same? Are the cells of an elephant bigger than that of a man?

O Watch Video Solution

38. Have you listened to the words of the cell ? Guess how big a cell is? Is this number and sizes of cells in both man and elephant the same? Are the cells of an elephant bigger than

that of a man?



39. Have you listened to the words of the cell ? Guess how big a cell is? Is this number and sizes of cells in both man and elephant the same? Are the cells of an elephant bigger than that of a man?



40. Prepare a slide of an onion peel and find

out the special characters.



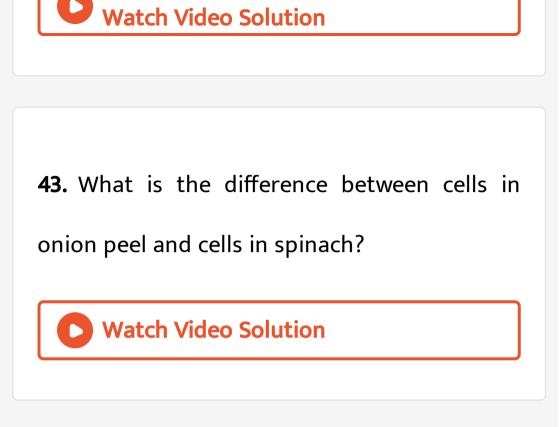
41. Who discovered the cell for the first time?

What procedure did he follow?

Watch Video Solution

42. Which part of cell contains cell organelles?



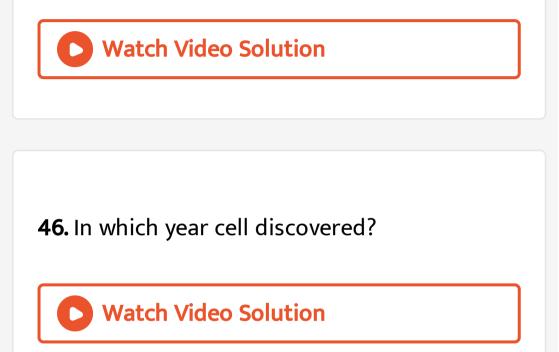


44. What are the structures present in the

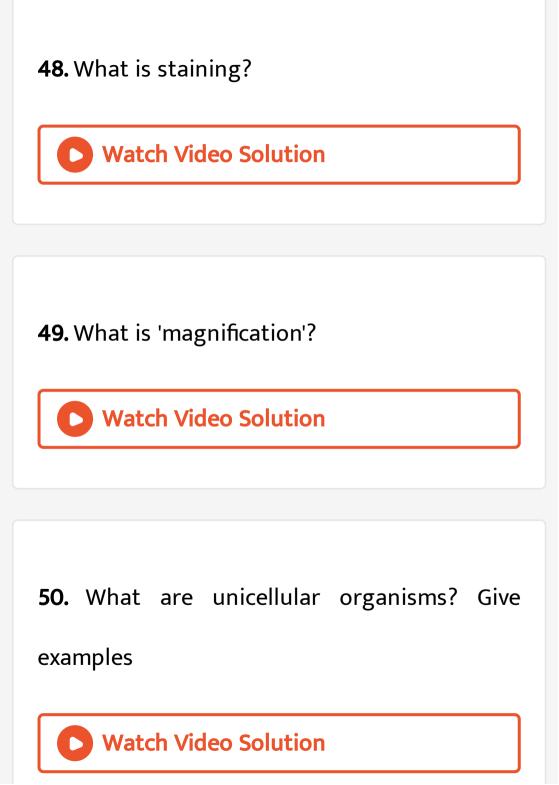
cells ?

45. Why cells are considered to be structural

and functional unit of life?



47. Name the scientist who observed cells?





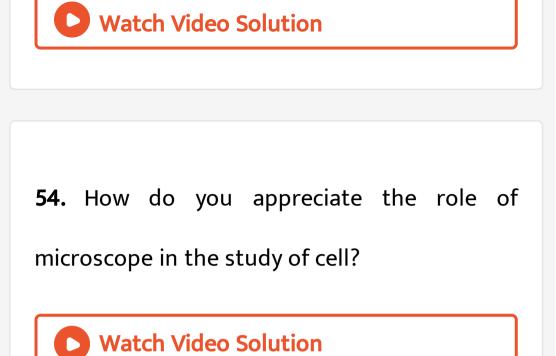


52. "Cell wall is essential in plant cells" - Why?

Watch Video Solution

53. What is the significance of cover slip in your preparation of slides ?

Γ



55. Observe the permanent slides of human body cells in your school. Collect the data in a tabular form.

56. Robert Hooke observed cells in the cork of

__ tree,

A. Oak

B. Neem

C. Mango

D. All the above

Answer:

57. Nucleus was first observed by.

A. Robert Hooke

B. Robert Brown

C. Charles

D. Janssen

Answer:



58. Brown claimed that the Integral part of the

cell is

A. Cell wall

B. Cytoplasm

C. Stomata

D. Nucleus

Answer:

59. Nucleus was first observed in the leaves of

A. Orchid

B. Oak

C. Wheat

D. Rice

Answer:

60. The jelly like substance between nucleus

and cell membrane

A. Cytoplasm,

B. Cell organelles

C. Nucleoli

D. All the above

Answer:

61. Unicellular organism is

A. Bacteria

B. Chlamydomonas

C. Amoeba

D. All the above

Answer:

Watch Video Solution

62. Pseudopodia are present in

A. Elephant

- B. Chlamydomonas
- C. Amoeba
- D. Rat

Answer:

Watch Video Solution

63. Outermost layer of the stem gives

A. Protection

B. Conduction

C. Nutrition

D. All the above.

Answer:

Watch Video Solution

64. Life processes are - i) Photosynthesis, ii)

Respiration, iii) Excretion

A. i and ii

B. ii and iii

C. i only.

D. All the above.

Answer:

Watch Video Solution

65. The first compound microscope was made

in the year 1595 by

A. Robert Brown

B. Hooke

C. Janssen

D. John

Answer:

Watch Video Solution

66. The structural and functional unit of living

body ...

A. Cell wall

B. Cytoplasm

C. Nucleus

D. Cell

Answer:

Watch Video Solution

67. The following had played a key role in the

discovery of cell world ...

A. Bioscope

B. Telescope

C. Microscope

D. Thermometer

Answer:

Watch Video Solution

68. Examples of dead cells are

A. WBC

B. Never cell

C. Blood cell.

D. Cork cell

Answer:

Watch Video Solution

69. The size of the organism is depending upon

A. The number of cells present

B. The size of the cells

C. The shape of the cells

D. None

Answer:



70. The cell organelle which gives mechanical

strength In plant cell

A. Cell wall

B. Cell membrane

C. Cytoplasm

D. Nucleus

Answer:



71. The chief function of Pseudopodia is

A. Locomotion

B. Collection of food

C. Reproduction

D. Both A and B

Answer:

Watch Video Solution

72. The shape of RBC is

A. Round

B. Concave

C. Convex

D. Both A and B





73. The size of the nerve cell in a man is about

A. 100-200cm

B. 20-50 cm

C. 70-80 cm

D. 90-100 cm





74. This is an example for unicellular animal

A. Amoeba

B. Euglena

C. E-coli

D. All the above

Answer:

75. The word 'cell' is derived from

A. English

B. French

C. Latin

D. Greek

Answer:

76. Cell in Latin means -

A. Dark room

B. Honey comb

C. Little Room

D. Bright Room,

Answer:

77. The round dense body in the cell is called

A. Cell wall

B. Nucleus

C. Cell membrane

D. Cytoplasm

Answer:

78. The smallest cell is

A. Plant cell

B. Fungus cell

C. Bacteria cell

D. Ostrich egg

Answer:

79. Largest cell is

A. Bone cell

- B. Egg of Ostrich
- C. Egg of Eagle
- D. Never cell

Answer:

80. 1 micro meter = ____ nano meters.

A. 100

B. 10000

C. 100000

D. 1000

Answer:

81. One of the following is a multicellular animal

A. Bacteria

B. Virus

C. Chlamydomonas

D. Cockroach

Answer:

82. The size of the cell is related to its

A. Function

B. Location

C. Position

D. None

Answer:

83. This will result in plants if there are not stomata in terrestrial plants (mostly)

A. No transpiration will occur

B. No exchange of gases will take place

C. There will be no affect on plants

D. Both A and B

Answer:

84. The following one is a staining agent

A. Red stain

B. Safranin

C. Methylene Blue

D. All the above

Answer:

85. This is necessary for the preparation of slide

A. Dropper

B. Needle

C. Cover slip

D. All the above

Answer:

86. This gives rigidity to the cell ...

A. Cell membrane

B. Cell wall

C. Nucleus

D. None

Answer:



87. Robert Hooke discovered the cell in

A. Grass leaves

B. Slices of cork

C. Leaves of orchid

D. Leaves of Rose

Answer:

Watch Video Solution

88. Example for multicellular organism

A. Amoeba

B. Euglena

C. Hydra

D. Paramecium

Answer:

Watch Video Solution

89. Which of the following statement is wrong

A. Bigger onion has larger cells when

compared to the cells of smaller onion

- B. A plant can't stand erect without cell wall
- C. Majority of the cells are too small to be

seen with naked eye

D. Cells are different shape, size and

number

Answer: