



BIOLOGY

BOOKS - ICSE

CELL THE STRUCTURE AND FUNCTIONS

Review Questions Multiple Choice Questions

1. Identify the part which contains pigment :

A. cell membrane

B. plastid

C. centrosome

D. cell wall

Answer:



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2. The organelle that controls all activities in a cell:

A. nucleus

B. vacuole

C. plastids

D. cytoplasm

Answer:



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3. A cell that is spherical in shape is :

A. white blood cell

B. nerve cell

C. red blood cell

D. amoeba

Answer:



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4. The vacuole contains :

A. water

B. cell sap

C. salts

D. food

Answer:



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Review Questions Short Answer Questions

1. Name the scientist who invented the first microscope. -----



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2. Who coined the term "cell" ?-----



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3. Briefly describe the three essential parts of a cell.



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4. Why is the cell membrane called a selectively permeable membrane?



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5. State the difference between :

(i) Nucleus and nucleolus.

(ii) Cytoplasm and protoplasm.

(iii) Cell wall and cell membrane.



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6. List the major differences between a plant cell and an animal cell.



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7. Briefly discuss the importance of chromosomes in an organism.



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[Review Questions Fill In The Blanks](#)

1. Fill up the blanks with the terms given below in the box.

PIGMENTS WALL PRE-EXISTING CELL VACUOLES

The is the structural unit of all living things.



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2. Fill up the blanks with the terms given below in the box.

PIGMENTS WALL PRE-EXISTING CELL VACUOLES

All cells arise from cells.



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3. Fill up the blanks with the terms given below in the box.

PIGMENTS WALL PRE-EXISTING CELL VACUOLES

Animal cells have no cell



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4. Fill up the blanks with the terms given below in the box.

PIGMENTS WALL PRE-EXISTING CELL VACUOLES

Plastids contain



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5. Fill up the blanks with the terms given below in the box.

PIGMENTS WALL PRE-EXISTING CELL VACUOLES

....., are filled with water and dissolved substance.



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6. Try to find the names of four cell organelles hidden in this maze. (Hint: The hidden words can appear horizontally or vertically, forward or backward or even mixed up). Write them in the lines provided. For example: "NUCLEUS" in the last row, seven backward letters.

A	J	F	B	H	E	M	O	E	L	O	U	C	A	V
H	V	L	E	U	C	O	P	L	A	S	T	N	O	E
C	H	R	O	M	O	P	L	A	S	T	X	T	E	R
S	U	E	L	C	U	N	W	P	L	A	S	T	I	D

- (i)
- (ii)
- (iii)
- (iv)



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1. Briefly describe the structure of nucleus and mention its any two function.



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2. Name the scientist who coined the term "cell". How many lenses did he use in his microscope ? What did he observe under his microscope ?



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3. Name the three essential parts of a cell.
Briefly describe the structure of cell-membrane.



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