

**GAIL DAV PUBLIC SCHOOL  
GAIL GAON, DIBIYAPUR  
ASSESSMENT WORKSHEET**

**Session 2026-27**

**The Cell**

**SUBJECT- SCIENCE**

**CLASS -VIII**

**TIME- 1 HOUR**


**MM-25**

**General instructions-**

- (i) The question paper comprises of 11 questions .You are to attempt all the questions .However, internal choices are given so attempt accordingly.  
(ii) All questions are compulsory.  
(iii) Draw neat and labelled diagram wherever required.

Q.No	QUESTION	MARKS
1	The functional unit of life is called a)Cell      b)Egg      c)Nucleus      d)None of these	1
2	The control unit of cell is a)Nucleus      b)Cell wall      c)Cytoplasm      d)All of these	1
3	The cells capable of changing shapes are a)Amoeba cell      b)WBC      c)Both of these      d)None of these	1
4	(i) Assertion: Cell is structural and functional unit of life. Reason: Some of the cells can perform all the function of a living organism. (ii) Assertion: The plant cell has a fixed shape and rigidity. Reason: The cell membrane gives fixed shape and rigidity to the cell. Options: A. Both A and R are true and R explains A B. Both A and R are true but R does not explain A C. A is true but R is false D. A is false but R is true	1
	Answer the following in brief-	
5	Name the scientist who coined the term cell. Name one cell in human body which is spherical in shape	2
6	Draw the diagram of hen's egg and label any 2 parts in it.	2
7	Which cell organelle is known as the "powerhouse of the cell"? Which cell organelle contains chlorophyll?	2
	Answer the following in short-	
8	What is cytoplasm? Write two of its functions. Why is the nucleus called the control centre of the cell?	3
9	State the differences between the type of plastids found in plants along with the location of each.	3
10	Read the passage and answer the questions:  All living organisms are made up of cells. Some organisms are made up of a single cell and are called unicellular organisms, while others consist of many cells and are called multicellular organisms. Cells contain different organelles that perform specific functions necessary for life.  Questions: (i)What is a unicellular organism? (ii)Name one unicellular organism. (iii)What are cell organelles? (iv)Why are cells called the structural and functional units of life?	4



6		<p>In the fig, you find that the bulb glows when an iron nail is placed between two ends of wire. Complete the following sentences on the bases of this fact.</p> <p>(a) _____ is a metal.</p> <p>(b) Metals are good _____ of electricity.</p>	2																																																																																
7	<p>Match the substances in Column A with their applications given in Column B.</p> <table border="1" data-bbox="220 353 1378 701"> <thead> <tr> <th data-bbox="220 353 523 398">Column A</th> <th data-bbox="528 353 1378 398">Column B</th> </tr> <tr> <th data-bbox="220 405 523 450">(Substance)</th> <th data-bbox="528 405 1378 450">(Application)</th> </tr> </thead> <tbody> <tr> <td data-bbox="220 456 523 501">(a) oxygen</td> <td data-bbox="528 456 1378 501">(i) for making crackers</td> </tr> <tr> <td data-bbox="220 508 523 553">(b) copper</td> <td data-bbox="528 508 1378 553">(ii) for disinfecting water</td> </tr> <tr> <td data-bbox="220 560 523 604">(c) sulphur</td> <td data-bbox="528 560 1378 604">(iii) all living beings inhale during breathing</td> </tr> <tr> <td data-bbox="220 611 523 656">(d) iron</td> <td data-bbox="528 611 1378 656">(iv) for making electric wires</td> </tr> <tr> <td data-bbox="220 663 523 701">(e) chlorine</td> <td data-bbox="528 663 1378 701">(v) for making rails</td> </tr> </tbody> </table>		Column A	Column B	(Substance)	(Application)	(a) oxygen	(i) for making crackers	(b) copper	(ii) for disinfecting water	(c) sulphur	(iii) all living beings inhale during breathing	(d) iron	(iv) for making electric wires	(e) chlorine	(v) for making rails	2																																																																		
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8	<p>Which metal is stored in kerosene?          What is the colour of the copper sulphate solution?          Why copper cannot displace zinc from zinc sulphate solution?</p>	3																																																																																	
9	<p>Find out the names of three metals and three non-metals from the box</p> <table border="1" data-bbox="229 902 1002 1397"> <tbody> <tr><td>A</td><td>X</td><td>T</td><td>M</td><td>S</td><td>P</td><td>K</td><td>L</td><td>G</td></tr> <tr><td>X</td><td>T</td><td>S</td><td>U</td><td>L</td><td>P</td><td>H</td><td>U</td><td>R</td></tr> <tr><td>I</td><td>L</td><td>R</td><td>H</td><td>M</td><td>N</td><td>D</td><td>I</td><td>L</td></tr> <tr><td>C</td><td>I</td><td>R</td><td>O</td><td>N</td><td>S</td><td>E</td><td>J</td><td>K</td></tr> <tr><td>A</td><td>L</td><td>U</td><td>M</td><td>I</td><td>N</td><td>I</td><td>U</td><td>M</td></tr> <tr><td>R</td><td>M</td><td>U</td><td>Q</td><td>T</td><td>R</td><td>S</td><td>T</td><td>U</td></tr> <tr><td>B</td><td>N</td><td>P</td><td>C</td><td>O</td><td>P</td><td>P</td><td>E</td><td>R</td></tr> <tr><td>O</td><td>X</td><td>Y</td><td>G</td><td>E</td><td>N</td><td>V</td><td>W</td><td>X</td></tr> <tr><td>N</td><td>Y</td><td>Z</td><td>T</td><td>A</td><td>B</td><td>G</td><td>H</td><td>K</td></tr> </tbody> </table>	A	X	T	M	S	P	K	L	G	X	T	S	U	L	P	H	U	R	I	L	R	H	M	N	D	I	L	C	I	R	O	N	S	E	J	K	A	L	U	M	I	N	I	U	M	R	M	U	Q	T	R	S	T	U	B	N	P	C	O	P	P	E	R	O	X	Y	G	E	N	V	W	X	N	Y	Z	T	A	B	G	H	K	3
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10	Complete the crossword given in Fig 4.3 with the help of the clues.	4																																																																																	

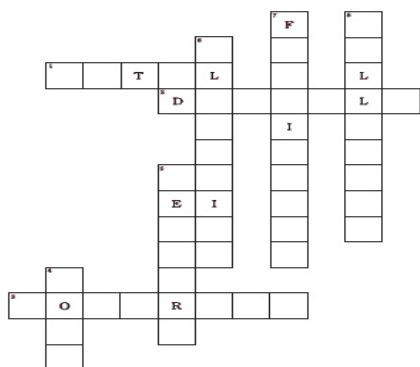


Fig 4.3

Across

- 1. Which is generally hard, ductile, malleable and sonorous.
- 2. A metal is called so it can be drawn into wires.
- 3. Metal bells are used because of this property.

Down

- 4. A metal generally used for making jewellery.
- 5. A metal which is liquid at room temperature.
- 6. A metal which reacts with acid as well as base to form hydrogen gas.
- 7. Substances used to enhance the growth of plants.
- 8. Property by virtue of which metals can be beaten into thin sheets.

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Answer the given long question -

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Some of the following statements are incorrect. Find the incorrect statements and correct them.

- (a) The property of metals by virtue of which they can be drawn into wires is called ductility.
- (b) Metals are good conductor of electricity but poor conductor of heat.
- (c) Articles made of metals produce ringing sound when struck hard.
- (d) Oxides of non-metals and metals are acidic in nature.
- (e) A less reactive metal replaces a more reactive metal from its salt solution in water.

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