

**CLASS: 9**  
**SUBJECT: BIOLOGY (SCIENCE)**  
**CHAPTER: 5**  
**CONCEPT: THE BASIC UNIT OF LIFE: CELL**  
**WORKSHEET – 4**

<b>Q1</b>	How do substances like carbon dioxide and water move in and out from the cell?	<b>1</b>
<b>Q2</b>	Why are lysosomes known as suicide bags?	<b>1</b>
<b>Q3</b>	Why do doctors advise gargles with salt solution during throat infections?	<b>1</b>
<b>Q4</b>	Name the cell organelles/ structures which are commonly called:	
<b>a)</b>	Kitchen of the cell	<b>1</b>
<b>b)</b>	Power house of cell	<b>1</b>
<b>c)</b>	Skeleton of the cell	<b>1</b>
<b>d)</b>	Suicidal bags of the cell	<b>1</b>
<b>e)</b>	Digestive bags of the cell	<b>1</b>
<b>f)</b>	Heredity vehicles	<b>1</b>
<b>g)</b>	Master molecule of the cell	<b>1</b>
<b>h)</b>	Packaging and dispatching unit of cell	<b>1</b>
<b>i)</b>	Storage bags of the cell	<b>1</b>
<b>Q5</b>	What happens:	
<b>a)</b>	If plant cell is kept in hypertonic solution.	<b>1</b>
<b>b)</b>	Dry apricot first kept in water and then transfer to sugar solution.	<b>1</b>
<b>c)</b>	RBC kept in water.	<b>1</b>
<b>Q6</b>	What are the constituents of plasma membrane?	<b>2</b>
<b>Q7</b>	Name the cell organelles which contains DNA	<b>2</b>
<b>Q8</b>	How is a prokaryotic cell different from a eukaryotic cell?	<b>2</b>
<b>Q9</b>	Why is the plasma membrane called a selectively permeable membrane?	<b>2</b>
<b>Q10</b>	A person takes concentrated solution of salt, after some time, he starts vomiting. What is the phenomenon responsible for such situation?	<b>2</b>
<b>Q11</b>	If you provided with some vegetables to cook, you generally add salt during cooking process. After adding salt, vegetables release water. What mechanism is responsible for this?	<b>2</b>
<b>Q12</b>	Differentiate between RER & SER	<b>2</b>
<b>Q13</b>	Differentiate between Mitosis & Meiosis.	<b>2</b>
<b>Q14</b>	Differentiate between animal cell and plant cell.	<b>3</b>
<b>Q15</b>	Draw a neat label diagram of plant cell and animal cell.	<b>5</b>