**BLOG WORKSHEET**

**CHEMISTRY CLASS 9**

Teacher Name: Uzma Amer Class: 9 **Biology** Date: 13th Sep’19

Q.1. choose the best answers: Max. Marks: 10

1. The diagram shows a typical plant cell after being placed in a concentrated salt solution for ten minutes.



Which numbered structures are partially permeable?

A 1 and 2 only B 1 and 3 only C 1 only D 2 only

1. What will happen to an animal cell placed in a salt water solution?
2. The cell will shrink
3. the cell will expand
4. the cell will burst
5. No change
6. The diagram shows a plant cell. Which structure controls the passage of substances into and out of the cell?

 

1. Chamber A contains 40% helium and Chamber B contains 20% helium. Chambers are connected by a tube the molecules are free to cross. Which of the following will occur?
2. some helium will move from chamber A to chamber B
3. some helium will move from chamber B to chamber A
4. helium will remain concentrated in chamber A
5. all of the helium will move into chamber B
6. The diagram represents a cell as seen under the electron microscope.



What type of cell is this?

|  |  |  |
| --- | --- | --- |
|  | Type of Cell | Reason  |
| ABCD | Animal cellBacterium Plant cellPlant cell | outer layer is the cell membraneno chromosomes are visiblecytoplasm is visiblecell wall is visible |

1. Active transport requires:
2. A concentration gradient
3. Osmosis
4. Energy
5. A hypertonic solution
6. The table shows the concentrations of some mineral ions in the root hair of a plant and in the soil around it.



How are these mineral ions absorbed from the soil by the plant?



1. An animal cell placed in a hypotonic solution will:
2. Die
3. take on water
4. lose water
5. divide
6. The photomicrograph shows onion epidermis.



 Which term describes this onion epidermis?

 A cell B organ C organ system D tissue

1. Which of these processes require energy from respiration?

