

## MULTIPLE CHOICE QUESTIONS

### A.2.2. The Plasma Membrane

1. What is the main function of the plasma membrane?
  - a) to form a barrier between the intracellular fluid and the extracellular fluid
  - b) to transport molecules from inside to outside the cell
  - c) to transport molecules from outside to inside the cell
  - d) to connect to other neighboring cells
  
2. What is the purpose of the microvilli?
  - a) to increase the surface area of the cell
  - b) to decrease the surface area of the cell
  - c) to connect to other neighboring cells
  - d) to form a barrier with other cells
  
3. What is the purpose of the cilia on top of a cell?
  - a) to increase the surface area of the cell
  - b) to connect to other neighboring cells
  - c) to form a barrier with other cells
  - d) to push extracellular fluid along the lumen
  
4. What is the purpose of the tight junctions located between two neighboring cells?
  - a) to block flow of extracellular fluid from one side of the extracellular space to the other side.
  - b) to form a strong barrier between adjacent cells
  - c) to allow small molecules and ions to flow from one cell to another
  - d) to form a barrier with other cells
  
5. What is the purpose of the desmosomes located between two neighboring cells?
  - a) to block flow of extracellular fluid from one side of the extracellular space to the other side.
  - b) to form a strong barrier between adjacent cells
  - c) to allow small molecules and ions to flow from one cell to another
  - d) to form a barrier with other cells

**Answers:**

1. a.
2. a.
3. d.
4. a.
5. b.