

# Passive Cellular Transport Exit Quiz

## I. Multiple Choices

- Which of the following is true when an animal cell is placed in an isotonic solution?
  - The cell burst as it absorbs water from the environment.
  - The cell shrinks and shrivels as it loses water.
  - The cell remains intact as water flows in and out.
  - The cell losses water content but maintain its form.
- The following statements are true about diffusion, EXCEPT
  - Diffusion occurs due to the difference in the concentration of a substance in a solution.
  - Natural flow occurs from an area of less concentration to an area of greater concentration.
  - Diffusion continues until a particular substance is evenly distributed in the medium.
  - Particles are still in constant motion even when equilibrium is reached.
- A cell is placed in a solution and was observed to have increased in size. Based on this, which of the following is a correct inference?
  - The solution is hypertonic.
  - The solution is isotonic.
  - The cell will eventually burst and die.
  - The cell will grow until equilibrium is reached.
- Complete the analogy: Plant Cell : Plasmolysis = Animal Cell : \_\_\_\_\_.
  - Crenates
  - Lyses
  - Bursts
  - Expands
- Which property of the cell membrane allows the flow of water solution?
  - Plasmolysis
  - Permeability
  - Elasticity
  - Salinity