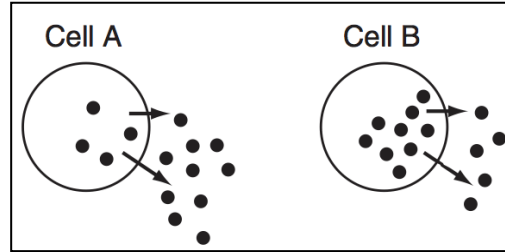


9 Weeks, Week 2.2-2.3 Warm-up 4

Directions: Answer the following questions using your notebooks, and provide a justification for each question.

1. In the diagram, the dark dots indicate small molecules. These molecules are moving out of the cells, as indicated by the arrows. The number of dots inside and outside of the two cells represents the relative concentrations of the molecules inside and outside of the cells. ATP is being used to move the molecules out of the cell



by _____

- cell A, only
- cell B, only
- both cell A and cell B
- neither cell A nor cell B

Justification –

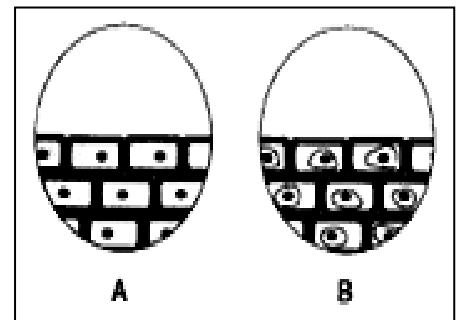
2. A student prepared four different red blood cell suspensions, as shown in the chart. Which suspension would contain red blood cells that would appear wrinkled and reduced in volume?

- F
- G
- H
- I

Suspension	Contents
F	red blood cells in normal blood serum (0.7% salt solution)
G	red blood cells in 10% salt solution
H	red blood cells in distilled water
I	red blood cells in tap water

Justification—

3. A student observed a wet mount of some strained plant cells in high-power field of a compound microscope. Diagram A represents the general appearance of these cells. The student then added several drops of a liquid to the wet mount and continued the observations. Diagram B represents the general appearance of the cells a few minutes after adding the liquid. The liquid that the student added to the wet mount was most likely-



- distilled water.
- salt water.
- pond water.
- tap water.

Justification –