NAME_____ DATE:_____

DIFFUSION AND OSMOSIS REVIEW

1. Which type/s or transfer do the statements below refer? Write YES and NO in the boxes.

	Diffusion	Osmosis
A substance moves from an area of low concentration to an area of high concentration.		
Can happen in living cells.		
A substance moves and becomes more evenly spread out.		
The movement does not use energy and is caused by the random movement of individual particles.		
The movement requires energy from respiration.		
Only water is involved in this type of movement.		
Water moves from a less concentrated solution to a more concentrated solution.		

2. Write TRUE or FALSE after each statement below.

a. Osmosis is the movement of water and sugars. _____

b. Diffusion is the movement of substance from a high concentration. _____

c. Both diffusion and osmosis need lots of energy to occur. _____

d. Osmosis requires a partially permeable membrane. _____

e. A partially permeable membrane lets all size substances through. _____

3. Do the following statements refer to DIFFUSION or OSMOSIS?

a. Shaun's plant looked dead but when he watered it, it sprang right back up. _____

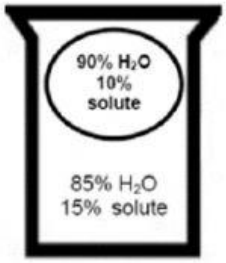
b. The girl sitting two rows ahead of you put on too much perfume this morning. _____

c. Yum! Something smells good. The neighbours are cooking on the grill! _____

d. You put raisins in a glass of water, and they plump up. _____

e. Ronald has his stinky shoes off again, and you can tell from the next room. _____

4. Indicate whether the **solution in the beaker** in HYPERTONIC, HYPOTONIC or ISOTONIC with respect to the solution in the oval-shaped "cells". Then state whether **water** will move into the cell, out of the cell or no net movement of water (in AND out).



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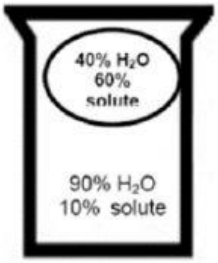

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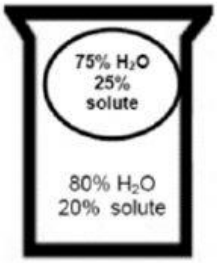

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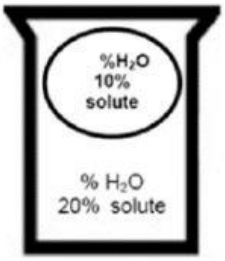

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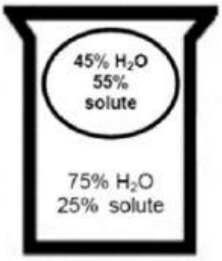

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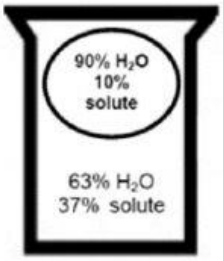

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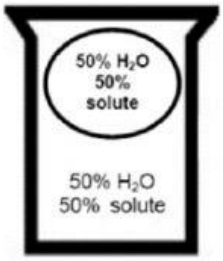

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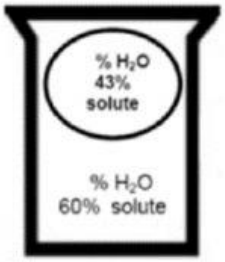

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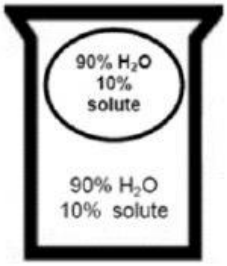

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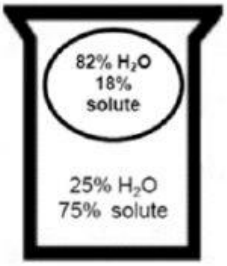

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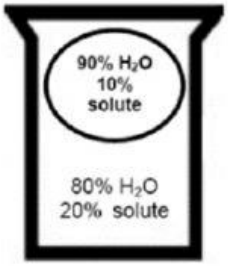

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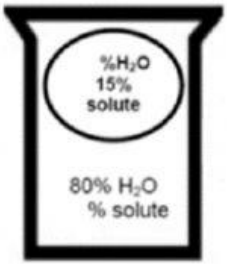

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