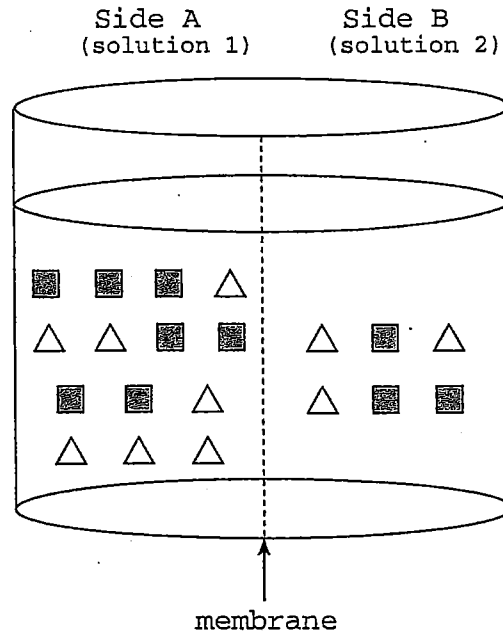


10. What will happen to an ANIMAL cell when it is placed into the following:
 A) Hypotonic Solution B) Hypertonic Solution
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PRACTICE QUIZ

1. Which of the following molecules will pass through a cell membrane by simple diffusion?
 A. water B. an enzyme C. nucleic acid D. carbohydrate

Use the following diagram to answer question 2 to 3.



2. The diagram shows two solutions containing solutes \blacksquare and \triangle dissolved in water and separated by a membrane. If the membrane is only permeable to water, which of the following will occur?
- A. \triangle will move from side A to side B.
 - B. The concentration of \blacksquare on side A will increase.
 - C. The concentration of \blacksquare on side B will increase.
 - D. Final amounts of \blacksquare , \triangle and water will be equal on each side.
- If the membrane is permeable to \blacksquare but not to \triangle or water, side A will
- A. swell and possibly burst.
 - B. become isotonic to side B.
 - C. remain hypertonic to side B.
 - D. become hypotonic to side B.
3. If the solute concentration of solution A is greater than solution B, then solution A is said to be:
- A. isotonic to solution B.
 - B. osmotic to solution B.
 - C. hypertonic to solution B.
 - D. hypotonic to solution B.

