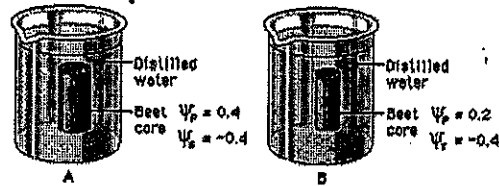


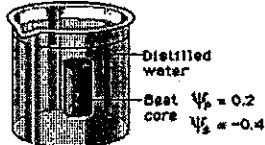
5. Which of the following statements is true for the diagrams?



- a. The beet core in beaker A is at equilibrium with the surrounding water.
- b. The beet core in beaker B will lose water to the surrounding environment.
- c. The beet core in beaker B would be more turgid than the beet core in beaker A.
- d. The beet core in beaker A is likely to gain so much water that its cells will rupture.
- e. The cells in beet core B are likely to undergo plasmolysis.

http://www.phschool.com/science/biology_place/labbench/lab1/quiz.html

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What is the water potential of the distilled water?

What is the water potential of the beet core?

Which way will water move?

The molar concentration of a sugar solution in an open beaker has been determined to be 0.3M. Calculate the solute potential at 27 degrees. Round your answer to the nearest hundredth.

Now that you know the ψ_s you can calculate the water potential ψ of this beaker of liquid.