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## Define Isotonic Solution

**buffered isotonic solutions - university of babylon** - the solution of the drug to lower the freezing point of the solution to  $-0.52^{\circ}\text{C}$  and thus make it isotonic with body fluids. under this class are included the cryoscopic method and the sodium chloride equivalent method. in the class ii methods, water is added to the drug in a sufficient amount to form an isotonic solution. **chapter intravenous fluid selection - pearson uk** - define tonicity and the actions of isotonic, hypotonic, and ... normal saline solution—an isotonic crystalloid solution that contains sodium chloride (salt) as the solute, dissolved in sterile water (solvent). ... • isotonic. isotonic crystalloids have a tonicity equal chapter 3 intravenous fluid selection **isotonic solution biology definition - bing - pdfdirnn** - isotonic solution definition - medicinenet - health and â€¦ medicinenet > â€¦ > medterms medical dictionary a-z list isotonic solution: a solution that has the same salt concentration as cells and blood. **fluid and blood therapy - adph** - receives an isotonic solution no fluid shifting should occur. what is this concentration then? the concentration is the number of particles (e.g., electrolytes) in a known quantity of liquid. the concentration may be expressed as the osmolality (the term osmolarity may be substituted; although not exactly the same, they are very close). **name(s): haspi lab activities - boyertown area school ...** - isotonic solution, and would be found in a healthy individual. if the dissolved particles in the intracellular fluid are much fewer than that of the extracellular fluid, there would technically be more water inside the cell. in this situation, water would move out of the cell through the semi-permeable membrane and cause the cell **subject : chemistry mll questions (solution) q1. define ...** - subject : chemistry mll questions (solution) q1. define the following terms: (a) mole fraction (b) isotonic solution (c) vant hoff factor. (d) ideal solution ans (a) mole fraction : it is the ratio of number of moles of a particular component to the total number of moles of all the components. example : mole fraction of component a  $x_a = n_a / (n_{\text{total}})$  **name date cellular structure and function - mountain lake** - cellular structure and function homeostasis ... use your book or dictionary to define homeostasis. write the correct vocabulary term in the left column for each definition below. process by which the plasma membrane surrounds a substance ... and isotonic solution. underneath each model, summarize the effect of each solution on the cell. water ... **diffusion, osmosis, active transport - biologymad** - cytoplasm (thus need more respiration/ $\text{O}_2$ /atp than isotonic (marine) amoebae). (b) the kidneys maintain the blood (thus, whole body) at the correct concentration. osmosis and plant cells (a) plant cells in a hypotonic (= weaker) solution - cells have lower water potential • the plant cells gain water by osmosis. **dialysate composition in hemodialysis and peritoneal dialysis** - dialysate composition in hemodialysis and peritoneal dialysis 2.3 renal excretion. given these considerations, potassium is not routinely added to the dialysate. the buffer present in most commercially available peritoneal dialysate solutions is lactate. in patients with normal hepatic function, lactate is rapidly converted to bicarbonate, so that **reagents, indicators and solutions** - reagents, indicators and solutions this section deals with the reagents and solutions re- where a particular brand or source of a material or piece quired in conducting the pharmacopeial and the national of equipment, or the name and address of a manufacturer, formulary tests and assays. is mentioned, this identification is furnished solely for ... **lab 4. diffusion and osmosis in selectively permeable ...** - lab 4: diffusion and osmosis (revised fall 2009) lab 4 - biol 211 - page 1 of 23 lab 4. diffusion and osmosis in selectively permeable membranes prelab assignment before coming to lab, read carefully the introduction and the procedures for each part of the experiment, and then answer the prelab questions at the end of this lab handout. **lab #5: osmosis, tonicity, and concentration.** - exerted on a solution to prevent osmotic uptake of water by that solution is called the osmotic pressure. in effect, it is a measurement of how strongly a solution will draw water into itself from an adjacent solution across a semi-permeable membrane. osmotic pressure is directly related to the total solute concentration of a solution. **methods of adjusting tonicity and ph values of some drugs ...** - lachrymal fluid is isotonic with blood having an isotonicity valve corresponding to that of a 0.9% nacl solution. ideally, an ophthalmic solution should have this isotonicity valve, but the eye can tolerate isotonicity valves as low as that of a 0.6% nacl solution and as high as that of a 2% nacl solution without marked discomfort. **national center for case study teaching in science from ...** - national center for case study teaching in science part i - introduction to diffusion and osmosis ... use your textbook or other resources to define the following terms: hypertonic solution, hypotonic solution, and isotonic solution. 5. which of the terms from question 4 describes the solutions in each of the glasses that the gummy bears were

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