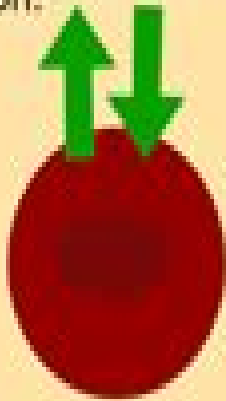
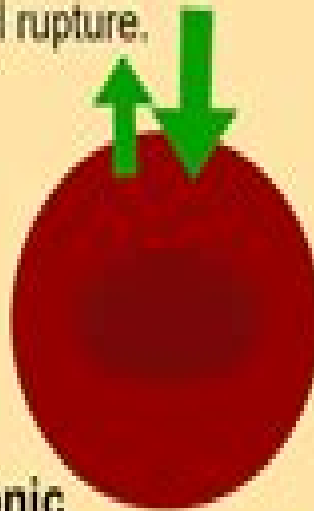


When the concentration of solutes inside, matches that of the outside, the cell has no net difference in diffusion.



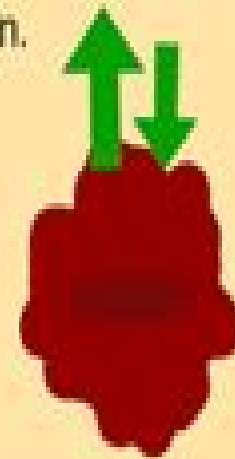
Isotonic

When the concentration inside is bigger than outside, water diffuses in, making the cell bigger, which can make the cell wall rupture.



hypotonic

When the concentration inside is less than outside, water is pulled out of the cell, which makes it smaller, and possibly unable to function.

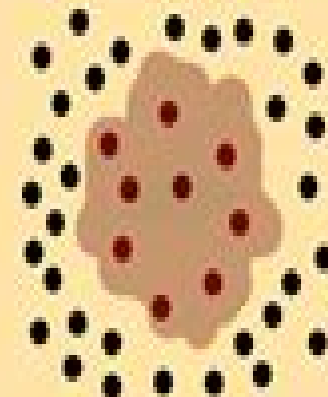
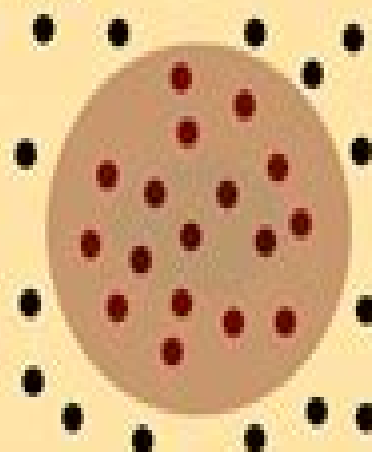
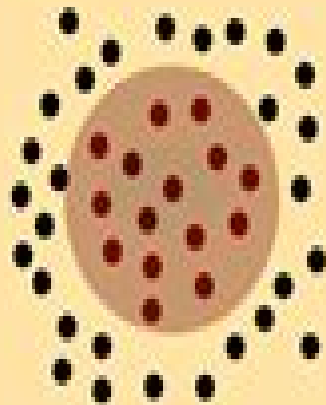


hypertonic

Normal
concentration
inside / outside
(mmol/l)

Na^+ : ~10 / 140

K^+ : ~145 / 4



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Jenny Smith, AI



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Table of Contents Key Osmosis And Tonicity

1. Understanding the eBook Key Osmosis And Tonicity
 - The Rise of Digital Reading Key Osmosis And Tonicity
 - Advantages of eBooks Over Traditional Books
2. Identifying Key Osmosis And Tonicity
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an Key Osmosis And Tonicity
 - User-Friendly Interface
4. Exploring eBook Recommendations from Key Osmosis And Tonicity
 - Personalized Recommendations
 - Key Osmosis And Tonicity User Reviews and Ratings
 - Key Osmosis And Tonicity and Bestseller Lists
5. Accessing Key Osmosis And Tonicity Free and Paid eBooks

- Key Osmosis And Tonicity Public Domain eBooks
 - Key Osmosis And Tonicity eBook Subscription Services
 - Key Osmosis And Tonicity Budget-Friendly Options
6. Navigating Key Osmosis And Tonicity eBook Formats
- ePub, PDF, MOBI, and More
 - Key Osmosis And Tonicity Compatibility with Devices
 - Key Osmosis And Tonicity Enhanced eBook Features
7. Enhancing Your Reading Experience
- Adjustable Fonts and Text Sizes of Key Osmosis And Tonicity
 - Highlighting and Note-Taking Key Osmosis And Tonicity
 - Interactive Elements Key Osmosis And Tonicity
8. Staying Engaged with Key Osmosis And Tonicity
- Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Key Osmosis And Tonicity
9. Balancing eBooks and Physical Books Key Osmosis And Tonicity
- Benefits of a Digital Library
 - Creating a Diverse Reading Collection Key Osmosis And Tonicity
10. Overcoming Reading Challenges
- Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
11. Cultivating a Reading Routine Key Osmosis And Tonicity
- Setting Reading Goals Key Osmosis And Tonicity
 - Carving Out Dedicated Reading Time
12. Sourcing Reliable Information of Key Osmosis And Tonicity
- Fact-Checking eBook Content of Key Osmosis And Tonicity
 - Distinguishing Credible Sources
13. Promoting Lifelong Learning
- Utilizing eBooks for Skill Development

- Exploring Educational eBooks

14. Embracing eBook Trends

- Integration of Multimedia Elements
- Interactive and Gamified eBooks

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