



Name: _____

Date: _____

Student Exploration: Paramecium Homeostasis

Vocabulary: adaptation, cell mouth, cilia, concentration, contractile vacuole, food vacuole, homeostasis, hypertonic, hypotonic, macronucleus, micronucleus, oral groove, osmosis, paramecium, solute, solution, solvent

Prior Knowledge Questions (Do these BEFORE using the Gizmo.)

1. The images show red blood cells (RBCs) in three different **solutions**.

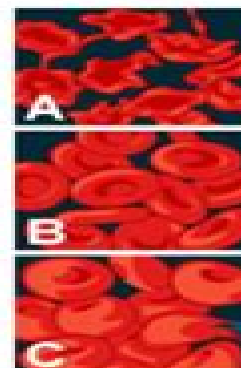
A. Which image shows RBCs in normal blood plasma? b

B. Which image shows RBCs in pure water? c

C. Which image shows RBCs in a very salty solution? a

2. What do you think is happening in images A and C? _____

H₂O is either leaving or entering the red blood cells.



Gizmo Warm-up

A **paramecium** is a one-celled organism that lives in ponds and other bodies of water. One of the challenges for a paramecium is to maintain a stable size and shape.

On the *Paramecium Homeostasis* Gizmo, turn on the **Show labels** checkbox. Try to determine the function of each of the labeled structures.

1. Through which two structures do you think food enters the paramecium? The oval groove and cell mouth

2. Which two structures contain DNA? the micronucleus and the macronucleus

3. Which tiny structures help the paramecium to move around? cilia

4. Which structure pumps out excess water and wastes? the contractile vacuole



Virtual Lab Activity Answer Key Paramecium

E Durkheim



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Nuclear Science Abstracts ,1969-05 *Protists Biology 2004* Holt Rinehart & Winston,Holt, Rinehart and Winston Staff,2004 *2022 Computer Science – Editor’s Pick* Kaleem Siddiqi,Roberto Therón,Kostas Karpouzis,Sven Schewe,Nicola Zannone,Marcello Pelillo,Kristof Van Laerhoven,Paul Lukowicz,2023-04-06 Abstracts of the ... General Meeting of the American Society for Microbiology American Society for Microbiology. General Meeting,2008 Quarterly Cumulative Index to Current Medical Literature. V. 1-12; 1916-26 ,1926 **Biology** ,1999 Cumulated Index Medicus ,1999

Microbiology Abstracts ,1991 *Index Medicus* ,2003 Vols for 1963 include as pt 2 of the Jan issue Medical subject headings **B.A.S.I.C.** ,1967 Physics Briefs ,1994 Aerospace Medicine and Biology ,1989 Agrindex ,1995

Canadian Journal of Zoology ,1984 **The FASEB Journal** ,1990 **Chemical Abstracts** ,1995-09-11

American Men of Science James McKeen Cattell,Jaques Cattell,1938 *Science Citation Index* ,1995 Vols for 1964 have guides and journal lists *A Tetrazolium Method for Enzymatic Activity in Paramecium Caudatum* Robert Francis Ballweg,1966

Decoding **Virtual Lab Activity Answer Key Paramecium**: Revealing the Captivating Potential of Verbal Expression

In an era characterized by interconnectedness and an insatiable thirst for knowledge, the captivating potential of verbal expression has emerged as a formidable force. Its capability to evoke sentiments, stimulate introspection, and incite profound transformations is genuinely awe-inspiring. Within the pages of "**Virtual Lab Activity Answer Key Paramecium**," a mesmerizing literary creation penned by a celebrated wordsmith, readers set about an enlightening odyssey, unraveling the intricate significance of language and its enduring effect on our lives. In this appraisal, we shall explore the book's central themes, evaluate its distinctive writing style, and gauge its pervasive influence on the hearts and minds of its readership.

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