Name:	Date:	

Student Exploration: Paramecium Homeostasis

Directions: Follow the instructions to go through the simulation. Respond to the questions and prompts in the orange boxes.

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. Which image shows RBCs in pure water?
 - C. Which image shows RBCs in a very salty solution?
- b c
- В

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

in A the RBCs are shrinking meaning that it is hypertonic where the water is going out of the cells while salty solution is going in the cell, in C the it is bursting where the cell absorbs the water into the cell.

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 astable 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.

- Through which two structures do you think food enters the paramecium?
- 2. Which two structures contain DNA?
- 3. Which tiny structures help the paramecium to move around?

oval grove and the cell mouth.

micronucleus and the macronucleus

Cilia, which are smalland hair-like that helps with moving



Paramecium Homeostasis Gizmo Answers

SA Dillow

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Whispering the Secrets of Language: An Psychological Journey through Paramecium Homeostasis Gizmo Answers

In a digitally-driven world wherever monitors reign great and immediate connection drowns out the subtleties of language, the profound secrets and mental subtleties hidden within words usually go unheard. Yet, set within the pages of **Paramecium Homeostasis Gizmo Answers** a charming literary prize pulsating with natural emotions, lies an extraordinary quest waiting to be undertaken. Penned by an experienced wordsmith, this enchanting opus encourages viewers on an introspective trip, gently unraveling the veiled truths and profound influence resonating within ab muscles cloth of every word. Within the emotional depths with this moving review, we shall embark upon a heartfelt exploration of the book is core themes, dissect their captivating writing type, and yield to the effective resonance it evokes serious within the recesses of readers hearts.

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