

CELL TEST REVIEW

Name: _____

I. CELL

- a. Identify parts on a diagram
- b. Know 10 cell part functions
- c. Three main plant vs. animal cell differences?
- d. Prokaryote vs. Eukaryote differences? Explain the endosymbiont theory and what evidence exists that supports this theory.
- e. Fill out the following chart:

Transport	High to Low or Low to High	Energy Required?	Type of substance Moved?	Part of Cell Membrane used?

- f. Structure of the cell membrane? Why is there a bilayer? Other parts involved? What do they do?
- g. Define and describe the importance of SA:V? Describe three examples in the body?

II. WATER

- a. Structure of water?
- b. What is polarity and how does it relate to water?
- c. Explain why water is "Sticky". In other words, explain cohesion and adhesion.
- d. How does water influence the structure of the cell membrane?
- e. What is specific heat capacity and capillary action and why are they important to living organisms?

III. LABS & DEMOS: what occurred (ideally) and main concepts

- a. Dialysis Tube Lab
- b. Potato Demo
- c. Water MiniLab
- d. Anacharis Lab
- e. Organic Food Lab

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