

Name: _____ Per: _____ Date: _____

Homeostasis: Maintaining Dynamic Equilibrium in Living Systems

"Compartments" Essay page 218

What can you say about your body temperature in both snowy and hot conditions?

Organisms have external boundaries. In humans, what separates the inside of the body from the outside environment? _____

What is the boundary between the inside and outside environments in single celled organisms? _____

What are some balances that must be maintained within the body?

What covers most leaves and protects the living tissue within? _____

What other compartments exist in a leaf? _____

What is the basic unit of life at the microscopic level? _____

Define cell: _____

How many compartments do Prokaryotic cells contain? _____

_____ cells have smaller compartments that can only be seen with the aid of an _____.

Which subcellular compartment contains DNA? _____

What is DNA? _____

What is the advantage of having so many compartments in living systems?

What does the environment in the lysosome do?

The pH of the stomach contents is _____ (more acidic) than the pH of the rest of the body. What does this difference allow? _____

What do we call changes that disrupt the normal processes of life? _____

How are the woman and the thermos similar?

What do the boundaries allow?

How are the woman and the thermos different?
