

Levels of Organization

GLE 0707.1.2 Summarize how the different levels of organization are integrated within living systems.
GLE 0707.Inq.5 Communicate scientific understanding using descriptions, explanations, and models.

Four students are working on a human body project for their science class. They know that life processes include getting energy from food, removing wastes, responding to stimuli, moving, reproducing, growing, and repairing damage. They cannot agree on the basic unit of structure and function in the human body where these basic life processes are carried out. Read their ideas.

Edward: Cells are the basic unit of structure and organs are the basic unit of function.

Robert: Organs are the basic unit of structure and function.

Sherena: Cells are the basic unit of structure and function.

Vonesha: Tissues are the basic unit of structure and organs are the basic unit of function.

Which student do you agree with? Describe your thinking. Provide an explanation for your answer.