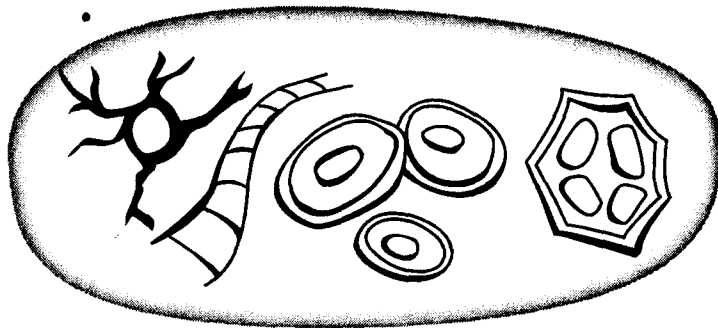


# Is It Made of Cells?

Imagine you could examine the objects and materials listed below with a powerful microscope. This powerful microscope will allow you to see evidence of cell structure.

Put an X next to the objects or materials that are made up, or were once made up, of cells.

- |                                    |                                      |
|------------------------------------|--------------------------------------|
| <input type="checkbox"/> flowers   | <input type="checkbox"/> apples      |
| <input type="checkbox"/> skin      | <input type="checkbox"/> sand        |
| <input type="checkbox"/> proteins  | <input type="checkbox"/> worms       |
| <input type="checkbox"/> rocks     | <input type="checkbox"/> bacteria    |
| <input type="checkbox"/> milk      | <input type="checkbox"/> leaf        |
| <input type="checkbox"/> bone      | <input type="checkbox"/> seeds       |
| <input type="checkbox"/> lungs     | <input type="checkbox"/> water       |
| <input type="checkbox"/> hamburger | <input type="checkbox"/> molecules   |
| <input type="checkbox"/> DNA       | <input type="checkbox"/> sugar       |
| <input type="checkbox"/> calcium   | <input type="checkbox"/> chlorophyll |



- |                                        |                                      |
|----------------------------------------|--------------------------------------|
| <input type="checkbox"/> paramecium    |                                      |
| <input type="checkbox"/> blood         | <input type="checkbox"/> chromosomes |
| <input type="checkbox"/> cell membrane | <input type="checkbox"/> saliva      |
| <input type="checkbox"/> mushrooms     | <input type="checkbox"/> atoms       |

Explain your thinking. Describe the “rule” or reason you used to decide whether something is or was once made up of cells.

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# Human Body Basics

Four students are working on a human body project for their science class. They cannot agree on the basic unit of structure and function in the human body where basic life processes are carried out. These basic processes are getting energy from food, removal of waste molecules, response to stimuli, movement, reproduction, growth, and repair. They debated their ideas as follows:

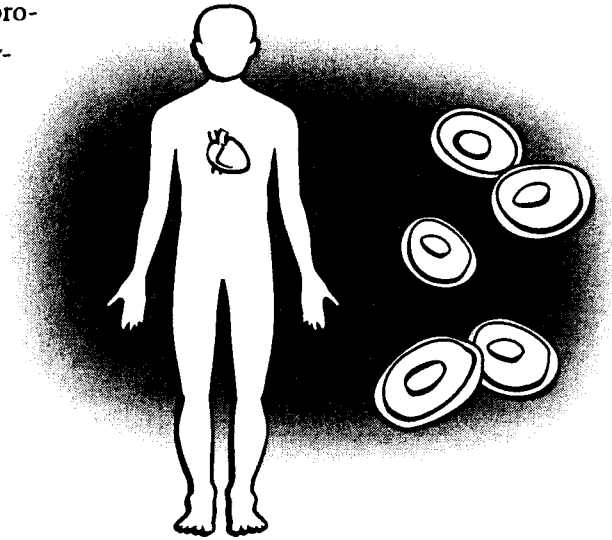
Paul's argument: Tissues are the basic unit of structure and organs are the basic unit of function.

Tia's argument: Cells are the basic unit of structure and organs are the basic unit of function.

Margy's argument: Cells are the basic unit of structure and function.

Rae's argument: Organs are the basic unit of structure and function.

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



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