

“Examples” Reflection

Are Plant and Animal Cells the Same?

For each of the following explanations, underline and label the claim, evidence, reasoning, and counter-argument. Which explanation is the strongest? Why?

Explanation 1:

Plant and animal cells are different. Plants have plant cells and animals have animal cells. They have different cell parts.

Explanation 2:

Plant and animal cells are different. Plants have plant cells and animals have animal cells. There are three differences between plant and animal cells. These differences help you to determine what kind of cell it is. Some people think that all cells are alike but research shows this is not the case.

Explanation 3:

Plant and animals have different cell types. When viewing an onion root cell I noticed that the cells have a regular shape indicating that it has a cell wall. We saw chloroplast and a large open space that indicated that a vacuole was present. When viewing my cheek cell I noticed the shape of the cells were irregular and lacked chloroplast and vacuoles. There are three things that distinguish plant cells from animal cells. Plant cells have a vacuole, a cell wall and chloroplast, while animal cells do not. Some people think all cells are the same, however they are not. There are many different types of cells specialized to do different things.