

3. Because the cell is the basic structural unit of the leaf, changes to the external appearance would be initiated by changes in cell activity.

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1. The structure of the leaf cells would be similar because they perform similar functions.
2. The cells of the leaf combine to create the overall structure and appearance of the leaf.



1. Would two leaf cells with similar functions have similar structures, even if they were located in different parts of the leaf?
2. Is the leaf's overall appearance affected by the structure and function of its cells? Explain your answer.
3. If the leaf changed color in the fall, would that change begin at the cellular level?