

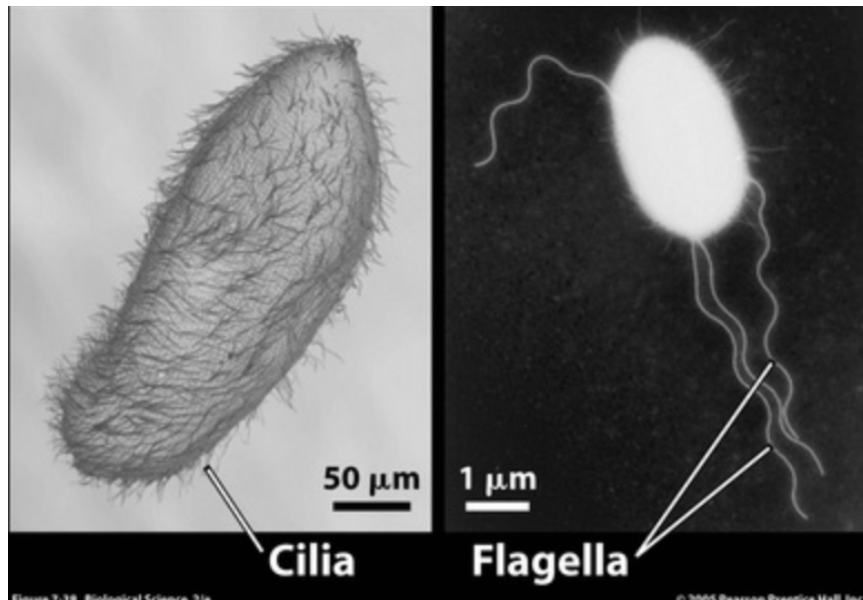
Cilia and Flagella Information Handout

Cilia and flagella are external structures in cells, which contribute mainly to the _____ of cells.

Cilia are _____, hair-like structures, present in large numbers throughout the surface of some cells. Cilia beat in a _____ rhythm.

Flagella are _____, thread-like structures, present in lesser numbers at only one end of the cell. Flagella beat _____ from each other.

The motion of _____ is often undulating and wave-like, whereas the motile _____ often perform motion with a power and recovery stroke.



Information from: https://www.researchgate.net/publication/315619867_Difference_Between_Cilia_and_Flagella

Photo from: <https://thecellorganelles.weebly.com/cell-wall-cilia--flagella.html>

Definitions Handout - ANSWER KEY

Cilia and flagella are external structures in cells, which contribute mainly to the **LOCOMOTION** of cells.

Cilia: **SHORT**, hair-like structures, present in large numbers throughout the surface of some cells. Cilia beat in a **COORDINATED** rhythm

Flagella are **LONG**, thread-like structures, present in lesser numbers at only one end of the cell. Flagella beat **INDEPENDENTLY** from each other.

The motion of **FLAGELLA** is often undulating and wave-like, whereas the motile **CILIA** often perform motion with a power and recovery stroke

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