

1. External bacterial structures consisting of a shaft with adhesive tips that enables bacteria to bacteria to colonize environmental surfaces or cells and resist flushing are called:

A. flagella

B. adhesins

C. pili

D. biofilms

2. A bacterial sex pilus is involved in bacterial:

A. attachment to host cells so as to resist flushing.

B. conjugation

C. transformation

D. mutation

3. Short, numerous attachment pili are also known as:

A. fimbriae

B. F+ pili

C. cilia

4. What is the significance of type IV pili?

A. Also known as fimbriae, they allow bacteria to adhere firmly to cells and surfaces.

B. They allow for conjugation in Gram-negative bacteria.

C. They enable bacteria to “crawl” or “walk” over cells and surfaces.