Topic: Strametulites: what they are, how they form, what kind of life is involved in their formation, and oldest and youngest exemples.

> As chambacteria inhabit the strematelites they produce a film of mucus over the surface of the stromatolite. This film is an evolutionery defense agenst separation from each other due to environmental inthunces,

> > New limestone

layer

Stant here. Amound of sedimentary layers (like (mestone) that houses microbes, like photosynthetic Cyanobacteria, Which produce Such layers.

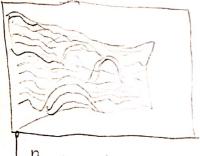
As chamobacteria grow upwards, the Sedments trapped in the

mucus film become comented due to the colcium carbonate in the sediment, forming a hen limestone layer.

Overtime, debris from surrounding environment can become trapped in film of mucus, giving the Cyanobacteria more footing to climbupuards,

Because photosynthesis is necessary for life for eyanobacteria, the collection of microbes moves upwards towards sunlight to facilitate photographitic procuses.

Ahrient Example"



Rough rendering of Precambrian fossilized stramatolites in the Siyeh Formation at Glacier National Park

Modern Example:

sellment



Rough rendering of microbinite (stramatulife/thrembolife) towers at Pavilion Lake, British Columbia, Site of largest known freshwater stramatolites,