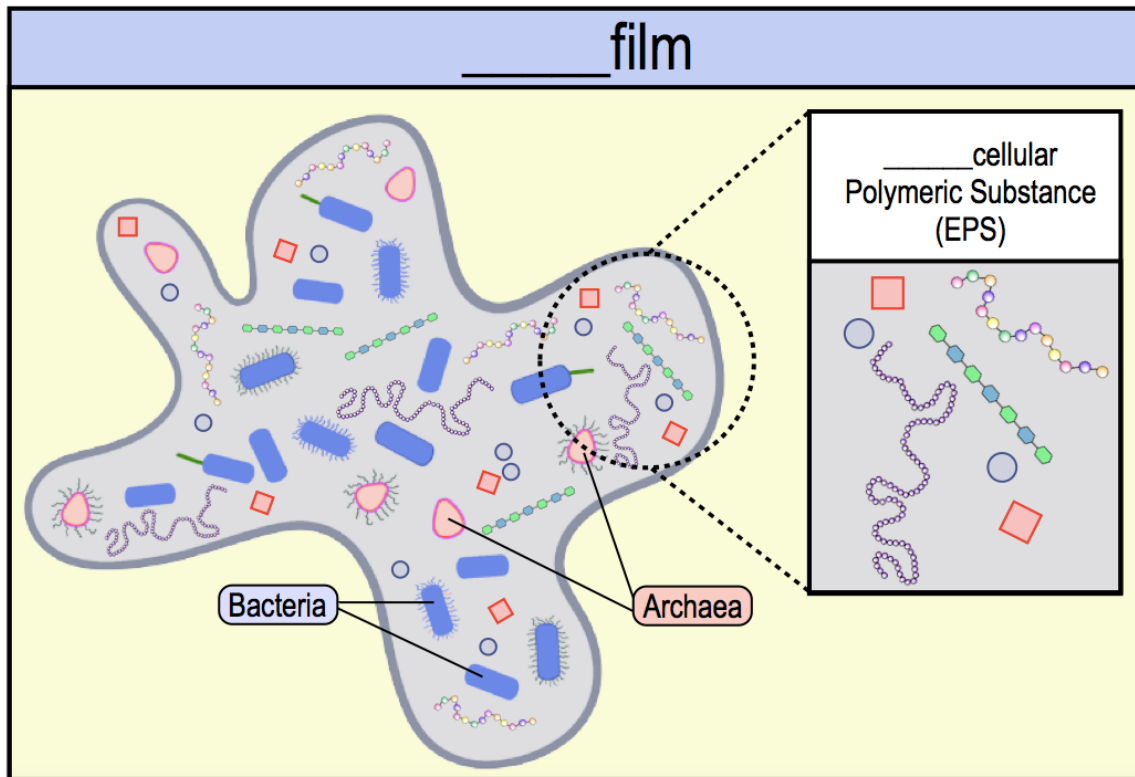


CONCEPT: INTRODUCTION TO BIOFILMS

- _____: group of cells encased in a *slime-like* polysaccharide layer _____ to a surface.
 - Can be found on virtually _____ surface & can cause serious illness.
 - Encased by a polysaccharide matrix of *Extracellular Polymeric Substances* (_____).
- **Extracellular Polymeric Substances (EPS)**: sticky matrix of _____ secreted by cells supporting biofilm structure.
 - Polymer types include *polysaccharides, proteins, glycoproteins, glycolipids, & lipids*.



PRACTICE: _____ are complex communities of various types of microbes that adhere to surfaces.

- a) Biofilms.
- b) Aggregates.
- c) Colonies.
- d) Cell morphologies.

PRACTICE: Biofilms can contain which of the following:

- a) Bacterial cells.
- b) Proteins.
- c) Archaeal cells.
- d) Polysaccharides.
- e) All of the choices are correct.