
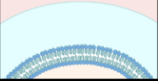

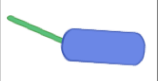
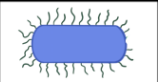
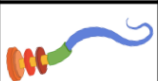

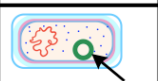
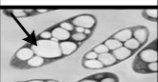



CONCEPT: OVERVIEW OF PROKARYOTIC CELL STRUCTURES

● Prokaryotic cells have a variety of structural components BOTH _____ & _____ of the cell.

Location	Structure	Description	
Outside the Cell	Cell Walls	_____ layer that protects the cell from damage.	
	Glycocalyx	Sticky layer secreted by the cell to form _____.	
	_____	Long protein filaments that extend from the cell surface.	
	_____	Short protein filaments that extend from the cell surface.	
	Flagella	Long protein filaments used for cell _____.	
Inside the Cell	Ribosomes	Site of _____ synthesis in cell cytoplasm.	
	_____	Circular double-stranded DNA independent of the chromosome.	
	Inclusions	Molecular _____ in the cytoplasm.	
	_____	Dormant cell type resistant to damaging conditions (like heat).	

PRACTICE: Which of the following is NOT a structure on the outside of the cell?

- a) Glycocalyx.
- b) Flagella.
- c) Endospore.
- d) Pili.
- e) Cell Wall.

PRACTICE: Which of the following are aggregates of molecules in the cytoplasm?

- a) Endospores.
- b) Inclusions.
- c) Flagella.
- d) Ribosomes.