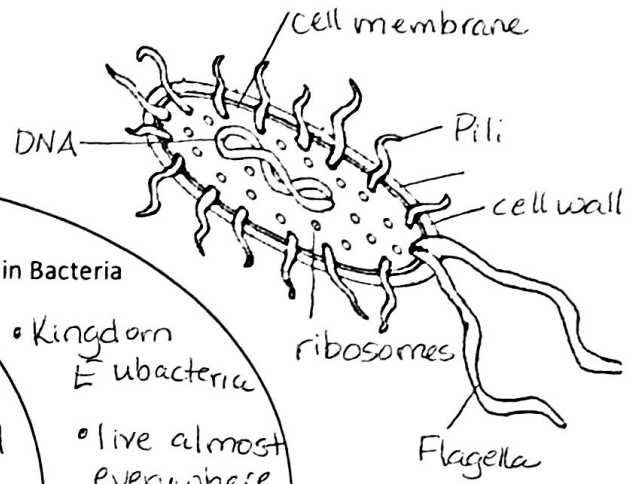
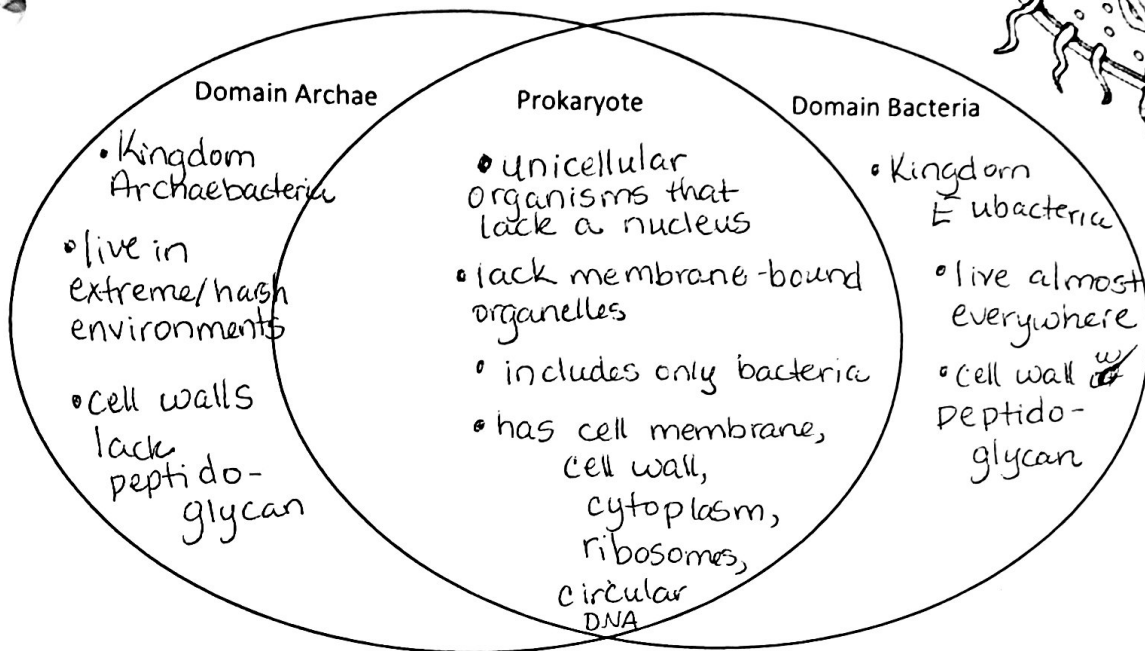


Bacteria: 2 Kingdoms



Bacterial Shape

Bacterial Arrangements

Coccus Spherical	Bacillus rod shaped	Spirillum Spiral shaped		Strepto in chains	Staphlo in clusters
--------------------------------	-----------------------------------	---------------------------------------	--	---------------------------------	-----------------------------------

Movement

- Some do not move
- Some have flagella
- Some glide by secreted slime

Reproduction

- asexual = binary fission
- sexual = conjugation

Energy

- most are heterotrophs
- Some are autotrophs
- Some need oxygen, some do not

Protection

- forms Endospores - thick internal wall that allows it to remain dormant.

Good?

Bad?

Treatment?

- Some are decomposers
- nitrogen fixers
- helpful in making certain foods
- Some can digest oil & are used to clean up oil spills
- biotechnology

- diseases
 - tuberculosis
 - strep throat
 - diphtheria
- (pathogen = disease causing agent)

- must be treated w/ antibiotics
- Food must be sterilized & processed correctly
- Surfaces must be disinfected