

4-23-14 Bacteria

Photoessay

- they are prokaryotic
- dominant life form
- 10 billion in mouth
- 25% of body weight.

They Are Successful Why?

- because of time
- multiply quickly
- Conjugation: Two bacteria meet and swap plasmids (DNA particles)

Many bacteria are beneficial

- Oil EATING bacteria (clean up oil spills)
- Bacillus thuringiensis or BT - produces chemicals that causes crystals in worms and caterpillars, No ~~effect~~ effect on Humans!
- BT is genetically placed in plant seeds so people don't have to spray it on every plant.

Fermentation

- Some by yeast (beer) totally different
- Fermentation by Bacteria causes Sour-Pickles & such
↓
vinegar

Bacteria do what they are told

- Medicines - insulin
- enzymes
- Bioengineering