Oct 15

Bio 3

Take home message

* all bacteria shares a common ancestor and have a few features in common.
* They are prokaryotic, asexual, single-called organisms with no nucleus or organelles, with one or more circular molecules of DNA as their genetic material, and using several methods to exchange genetic information.
* Bacteria has a much broader diversity of metabolic and reproductive abilities them do the eukarya

Fast duplication and conjugation

* Some plasmids code for: immunity to antibiotics
* Collect several
* Immune to multi antibiotic eventually

Modern medicine and advertising are creating super bacteria

* over prescription of antibiotic
* antimicrobial soaps spray
* Hint- cant defend alcohol and regular soaps

(MRSA) multi-drag resistant stapth

* Group of bacteria
* Over 20,000 deaths a year in US
* Picked up in hospitals

MRSA in common

* Flowing around the air
* Find most in nose at various time
* Gets in the blood streams
* Causes infection in soft tissues
* Sometimes simple to trout with cocktail of antibiotics
* Some strains resistant to al antibiotics
* Flesh eating bacteria

Antibiotic

* 1. Are they necessary
* 2. Take them all
* 3. Stay away from antibiotic based products
* -triclosan ect