NICE GENES!

S4E02

THE ANTIBIOTIC Debacle

Learn-a-long with the NICE GENES podcast by using this activity while you listen

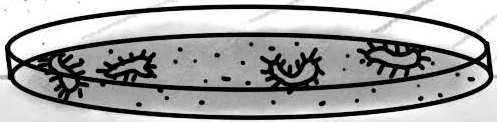
scan to listen

Have you ever taken antibiotic? What symptoms did you have and what do you remember about the instructions?

symptoms:

instructions:

From what organism does the antibiotic PENICILLIN come from?



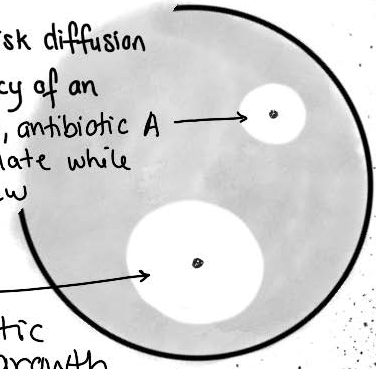
a) algae b) mold c) plant d) zooplankton

what is the difference between

BACTERIOSTATIC and BACTERICIDAL

MRSA: what is so special about it?

In a lab, you can use a disk diffusion assay to test the efficacy of an antibiotic. In this example, antibiotic A is well past its use by date while antibiotic B is brand new



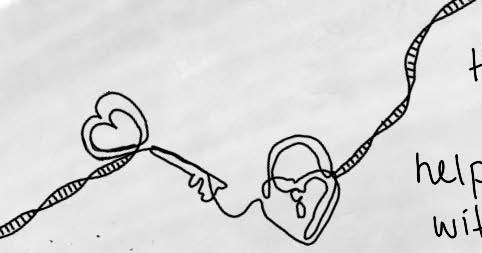
The area around the antibiotic with no bacterial growth is called the zone of inhibition

Fill in the blank:

The larger the zone of inhibition, the more _____ the bacterium is to that antibiotic.

Why was there such a rapid increase of new antibiotics, and then, none?

Bacteria are simple organisms. Argue against this statement using ther form and function.

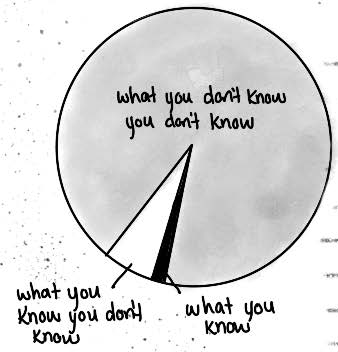


How does GENOMICS help unlock barriers with antibiotics?

Did you know?

There are 3 antibiotics discovered using genomics

- triclosan
- isoniazid
- mupracin

NOT all bugs need DRUGS

How can society affect the efficacy of antibiotics?