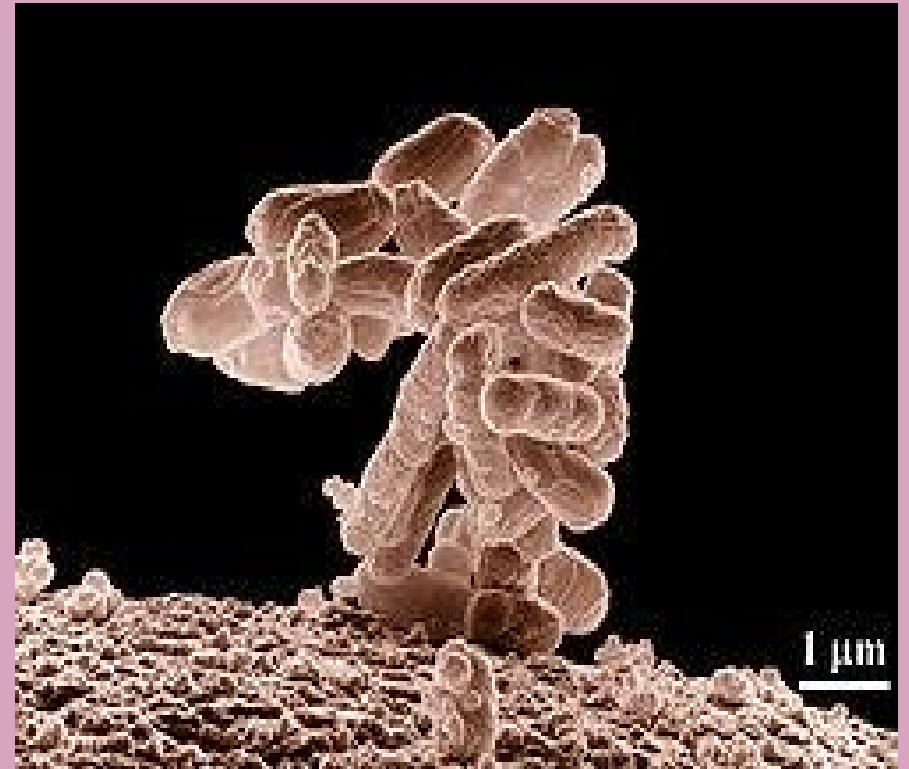


# The World of Microbes

By Andrew Nassif

# What are Microbes?

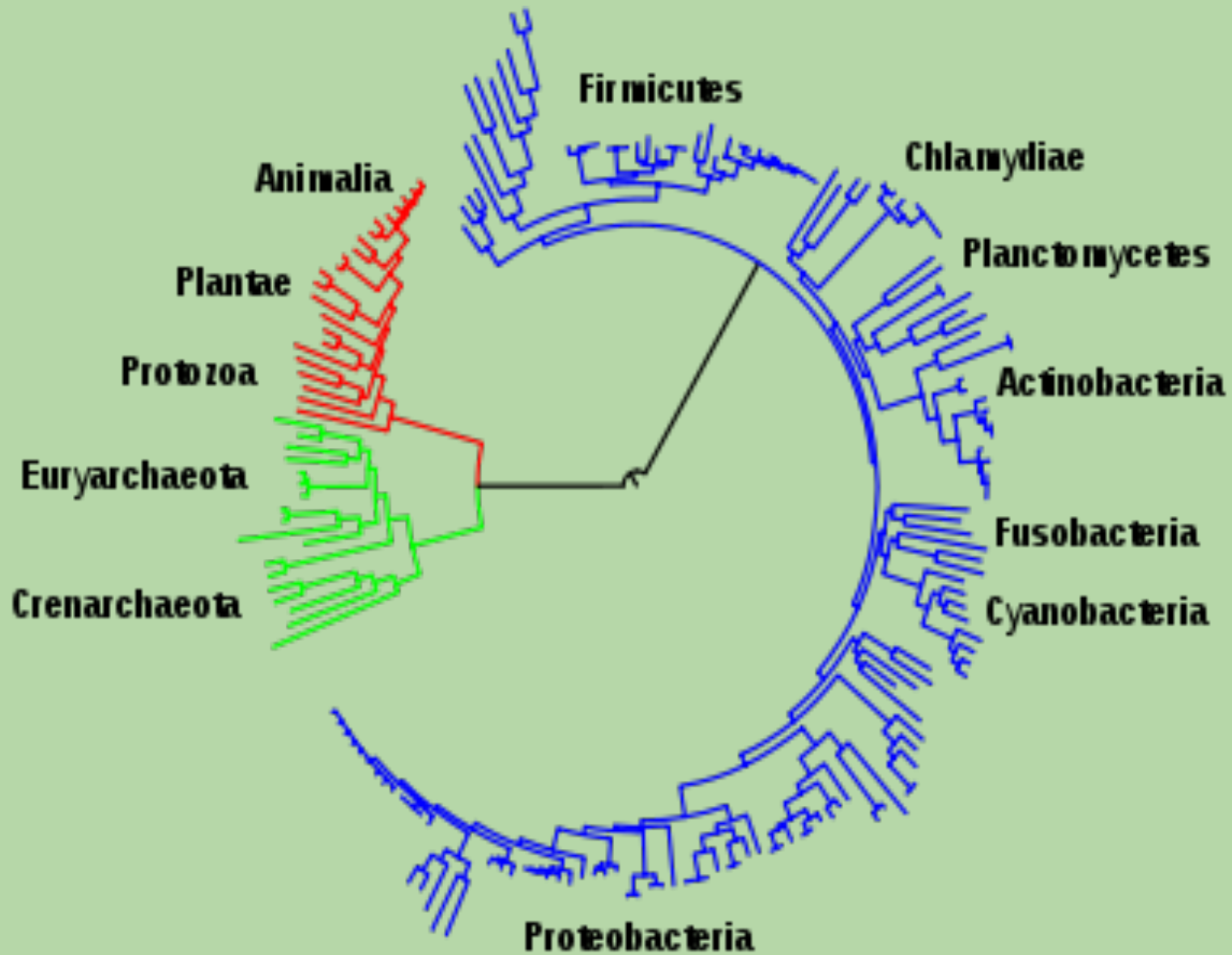
Microbes are Micro-organisms that are unicellular and usually are bacterial cells. Micro-organisms were made from the greek word μικρός ὄργανισμός or *mikrós organismós*. The word *Mikros* means *small*. This is how the origin of micro-organisms started. Microbes are usually small and microscopic and can't be seen by the naked eye.



The image above is an example of Microbacterial clusters.



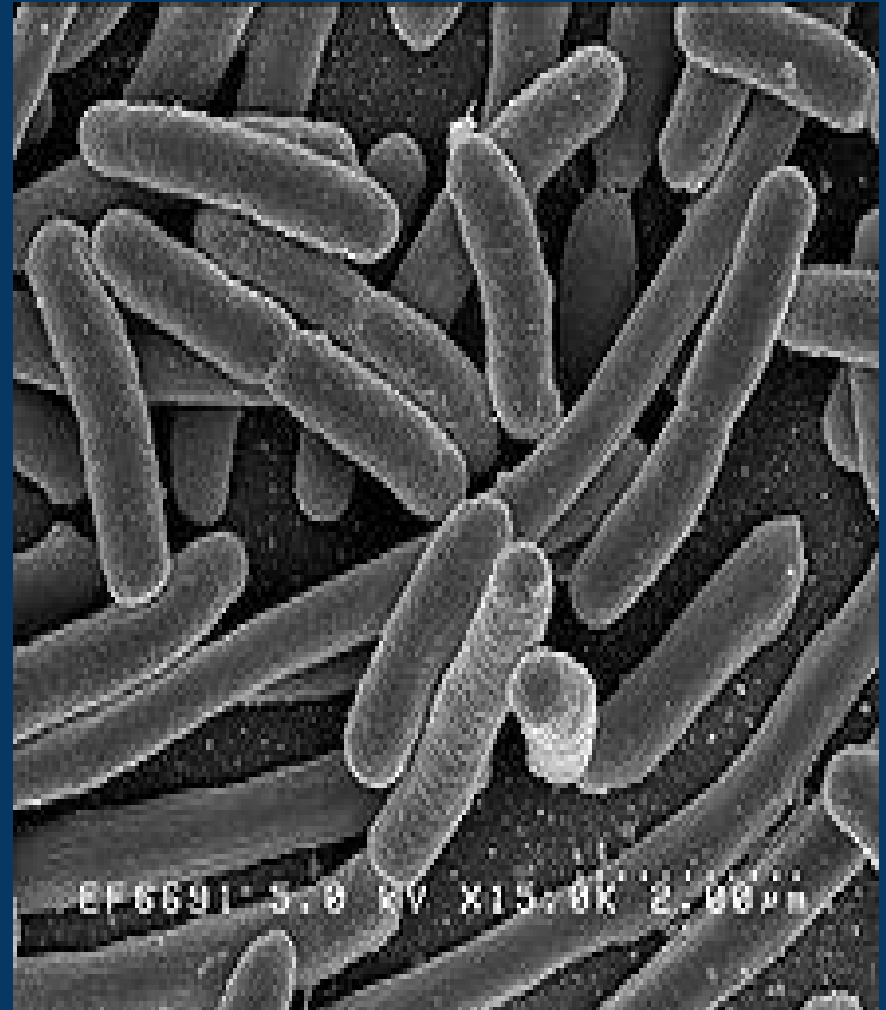
[Antonie van Leeuwenhoek](#) was the Greek scientist who discovered Microbes-




*Bacteria are colored blue, eukaryotes red, and archaea green. Relative positions of some phyla are shown around the tree.*

# BACTERIAL MICROBES

There are 40 million bacterial cells in a grain of rice, so as you can see a single celled micro-organism can even be hard to see with the world's most powerful microscope-

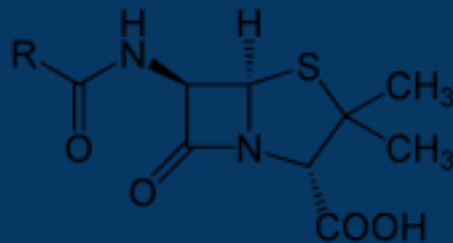


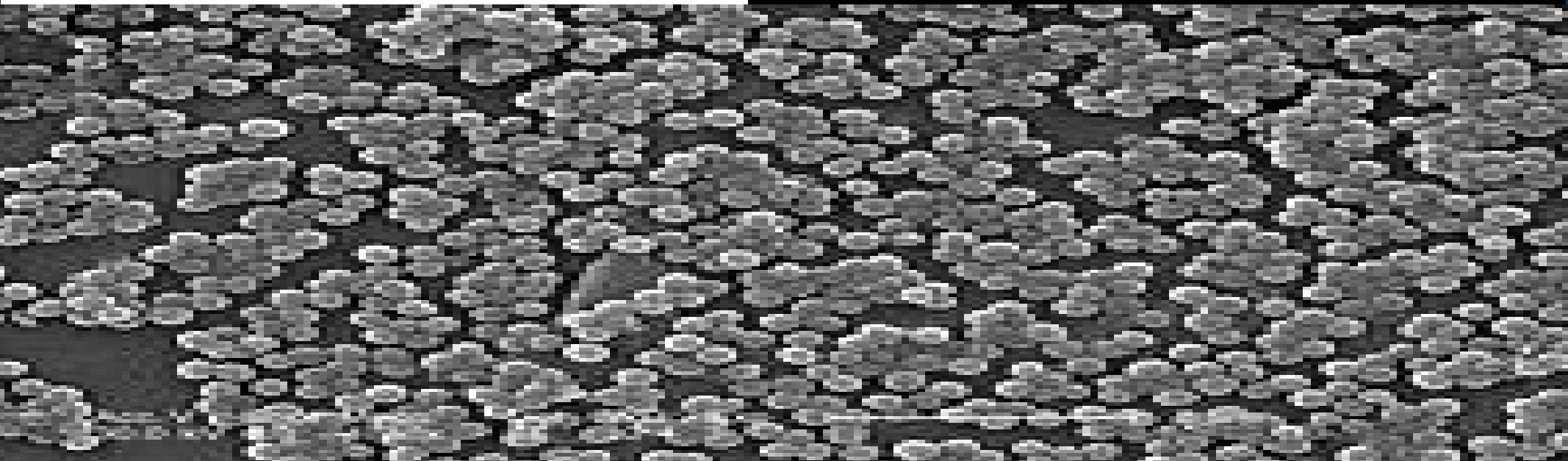
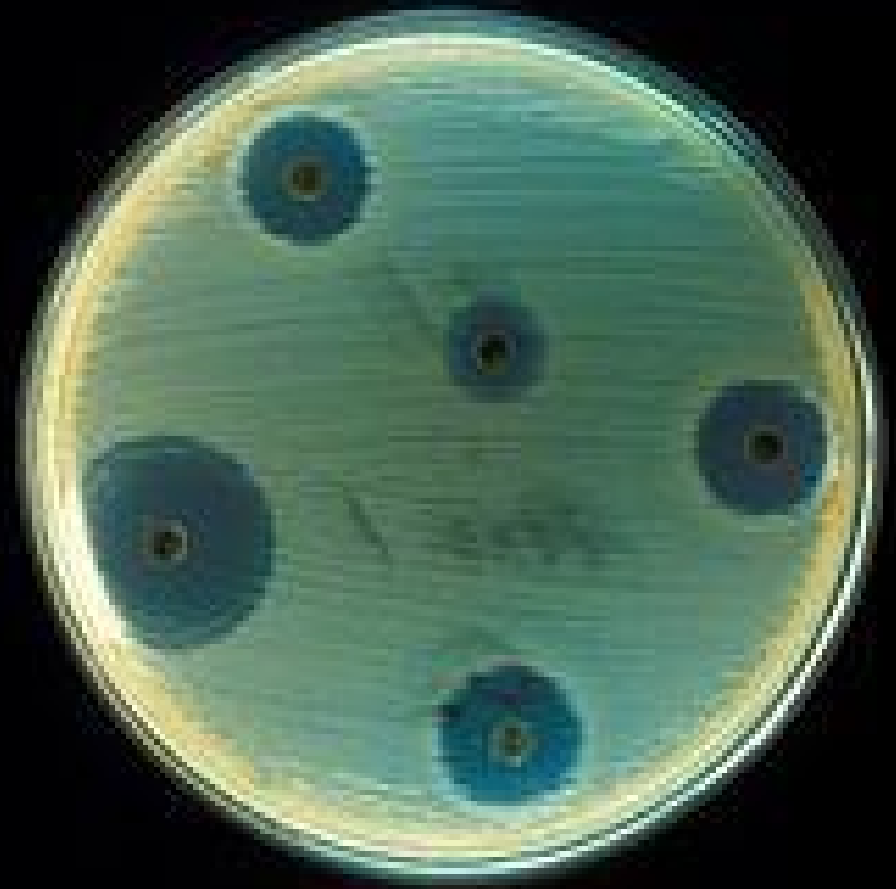
A micrograph showing a single rotifer, a unicellular micro-organism. The rotifer is elongated and spindle-shaped, with a dark, textured body. It has a small, rounded head at one end and a tail-like structure at the other. The background is a light, grainy surface.

Roteifii Micrograph Image- This is a picture of unicellular Roteifii - Roteifii are micro-organisms-

# What are some Negative Health Effects of Bacterial Microbes?

Bacterial Microbes can transmit tons of germs and viruses that can affect the human body- Bacterial Microbes can lead to negative health benefits and might even cause a major attack on the body's immune system. Bacterial Microbes can lead to tons of diseases including leukemia and even AIDS. The best thing to do is to always wash your hands and stay away from nasty germs. Keep in mind that if you think you're developing a major bacterial virus, then you must either contact your doctor right away or take antibiotics.

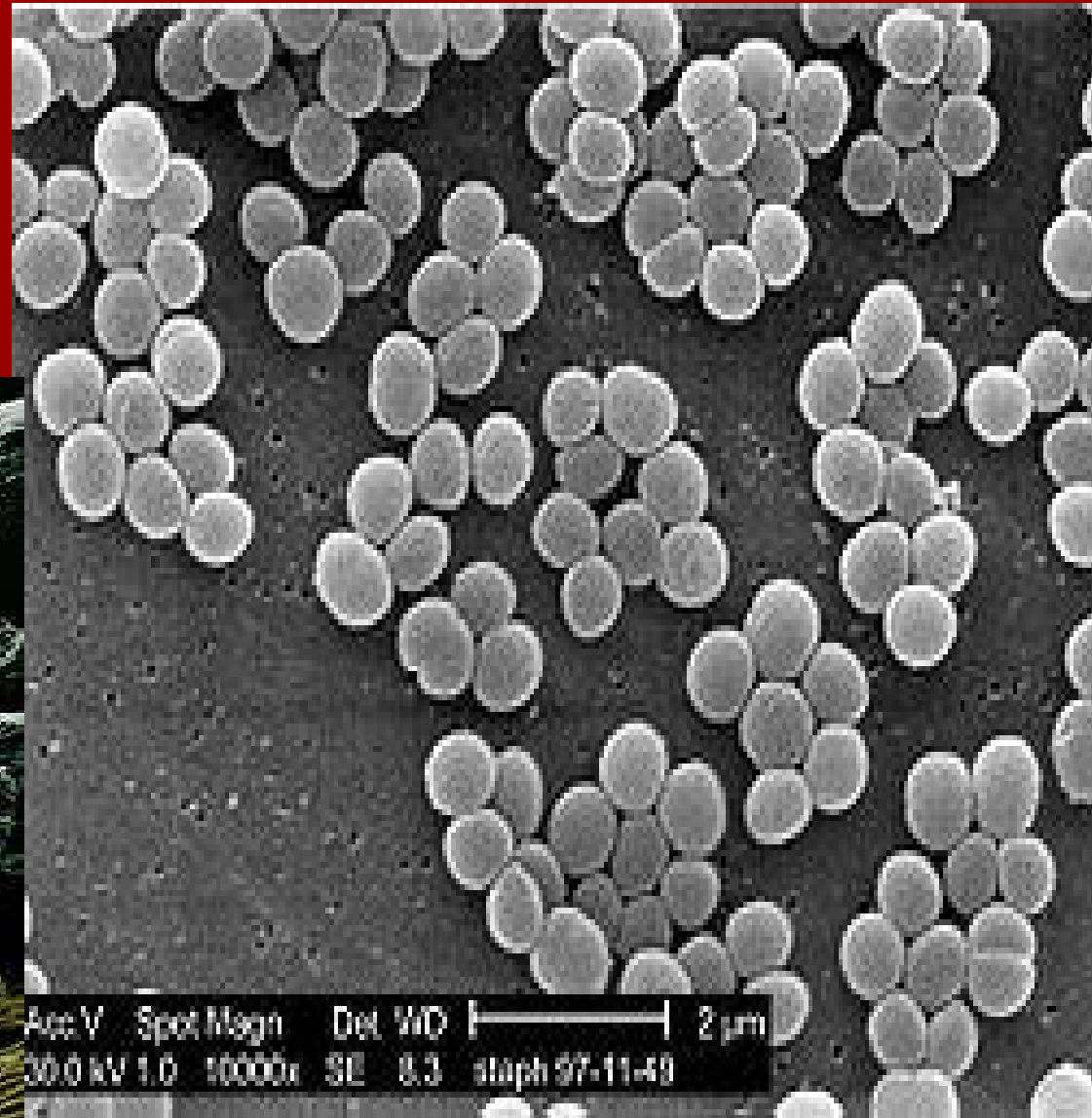






# MICROBES?

Microbes are abundant on earth because they are found in all parts of the biosphere, they are found in the human body and they're found in bacterial

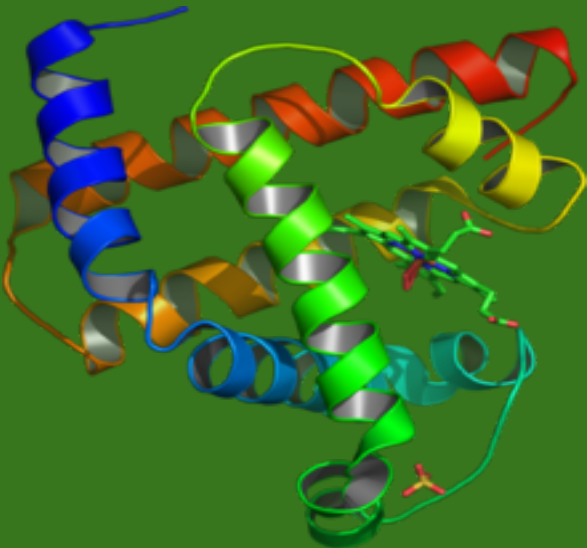


# EWW GERM CITY

A germ is a microbacterial cell called a Pathogen- Its also refered to as a infectious agent.



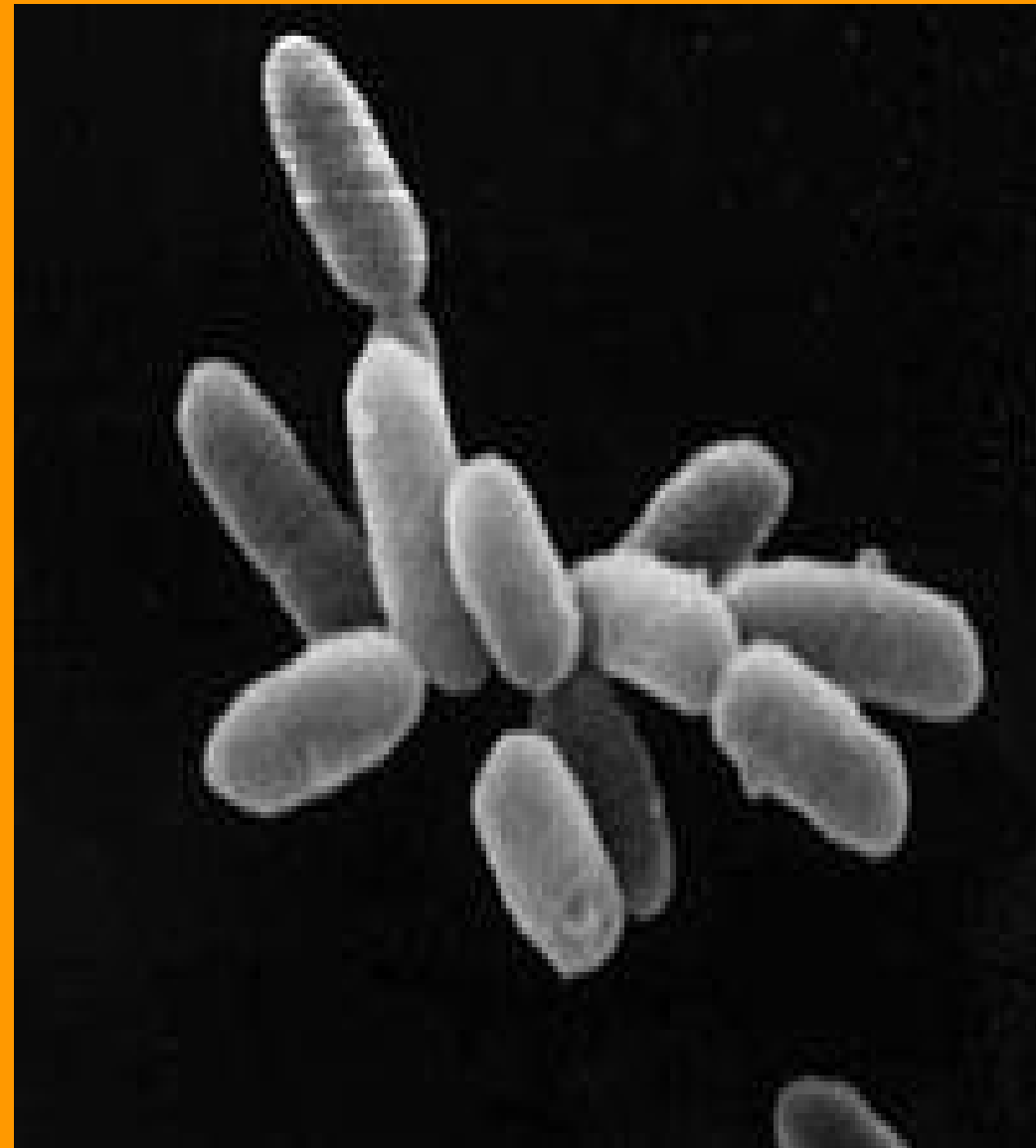
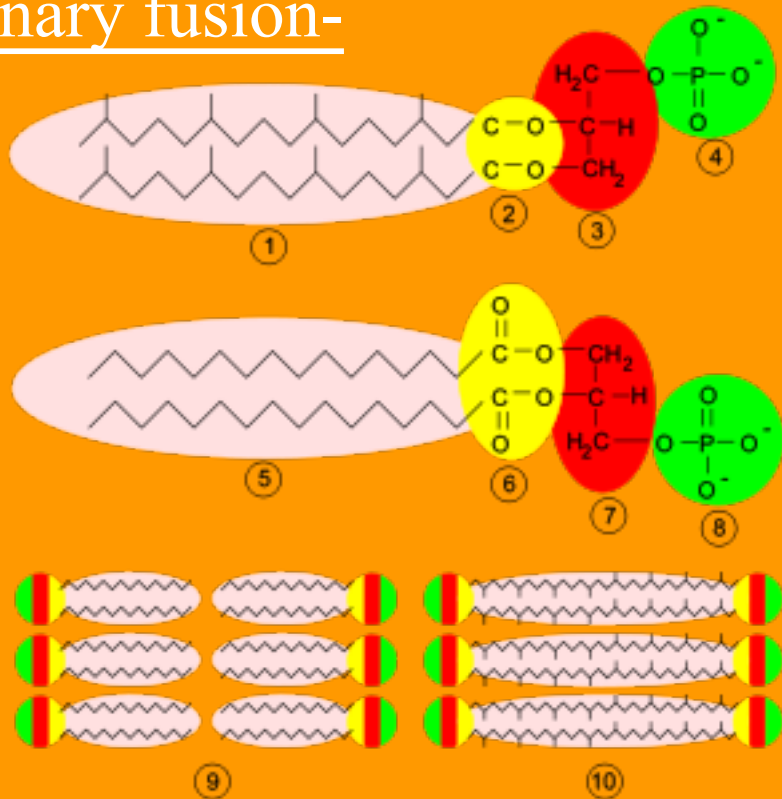
Saprotrophic is the processing of a fungi decaying, tons of micobacterial viruses can be found there-



Polypeptides and Amino Acids can stop some germs from attacking your immune system-

# Archaea

Archaeas are single-celled micro-organisms that have no cell nucleus- Archaeas reproduce asexually through binary fusion-

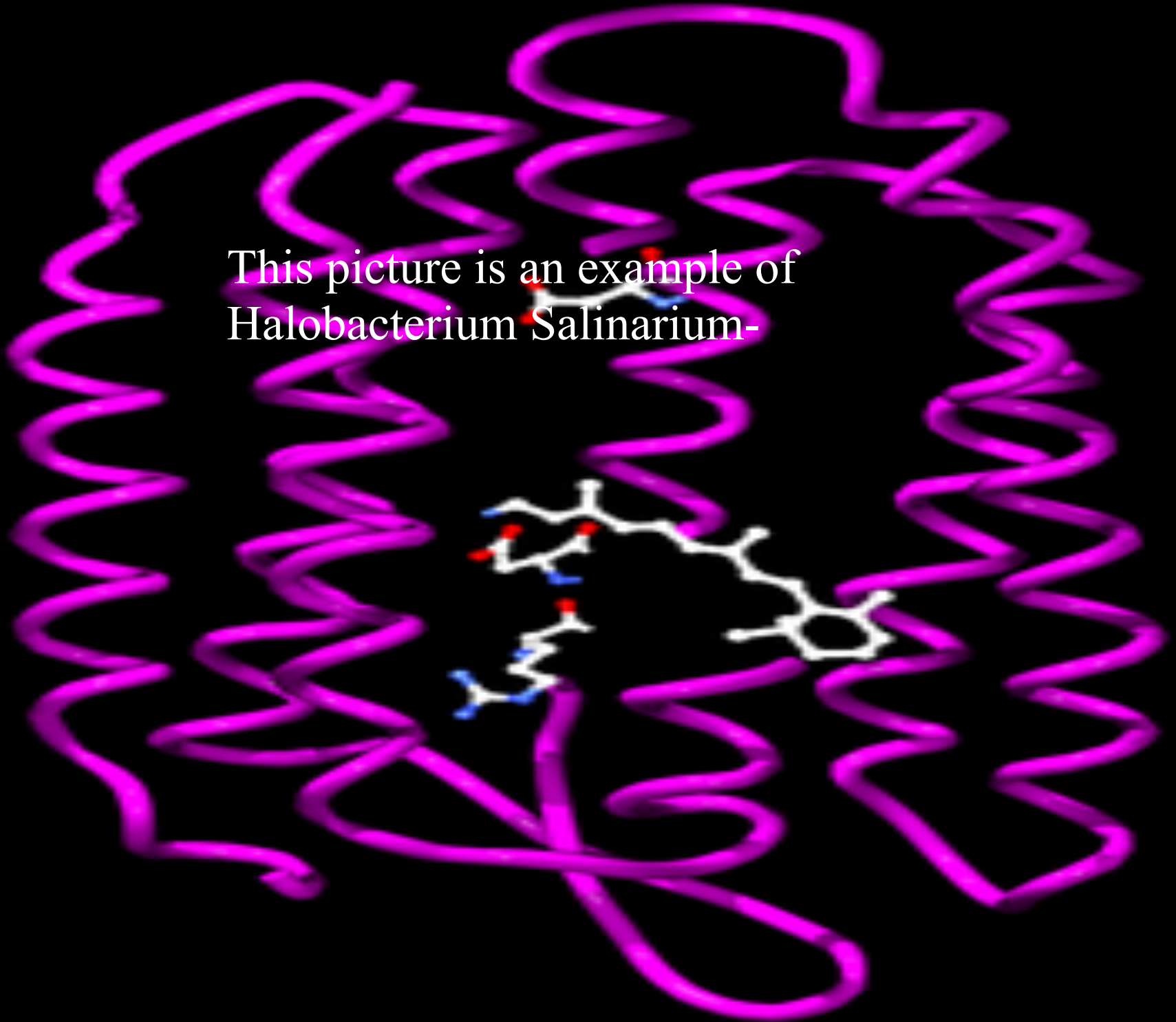


# What Are *Halobacterium Salinarum*?

*Halobacterium salinarum* is an extremely halophilic marine gram-negative obligate aerobic archaeon- Most people may think that its a bacterium, but it actually is not. Halobacterium Salinarum are micro-organisms that are usually found in saltwater. They go under the domain of Archaea- They go under the kingdom of Euryarchaeota- Halobacterium are rod shaped organisms- Amino Acids are the main source of chemical energy for Halobacterium Salinarum- Halobacterium can grow in densities of low oxygen such as salwater ponds that have low densities of oxygen- Scientist have previously discovered genetic material with Halobacterium cells from the michigan basin.

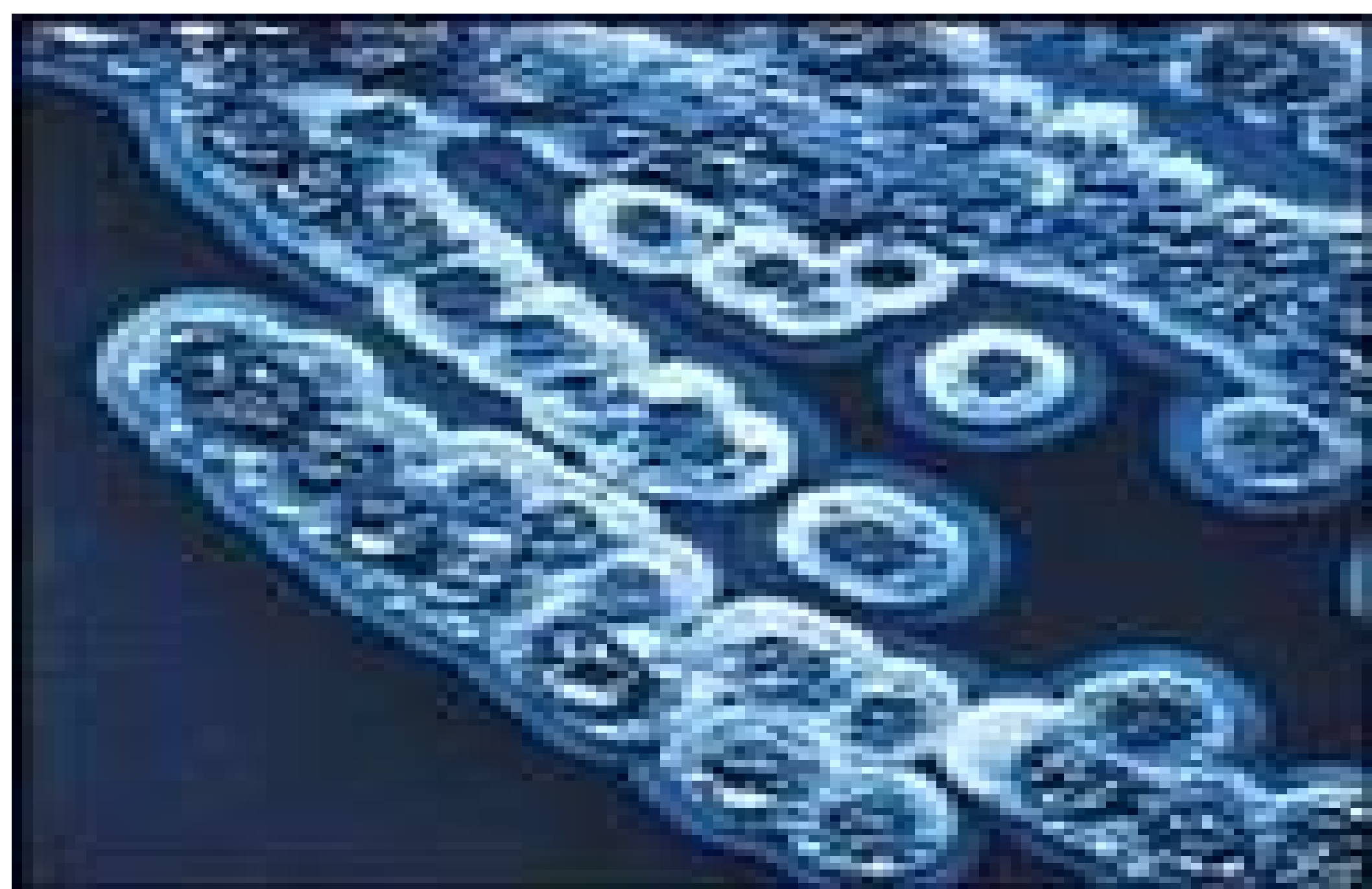


This picture is an example of  
Halobacterium Salinarium-



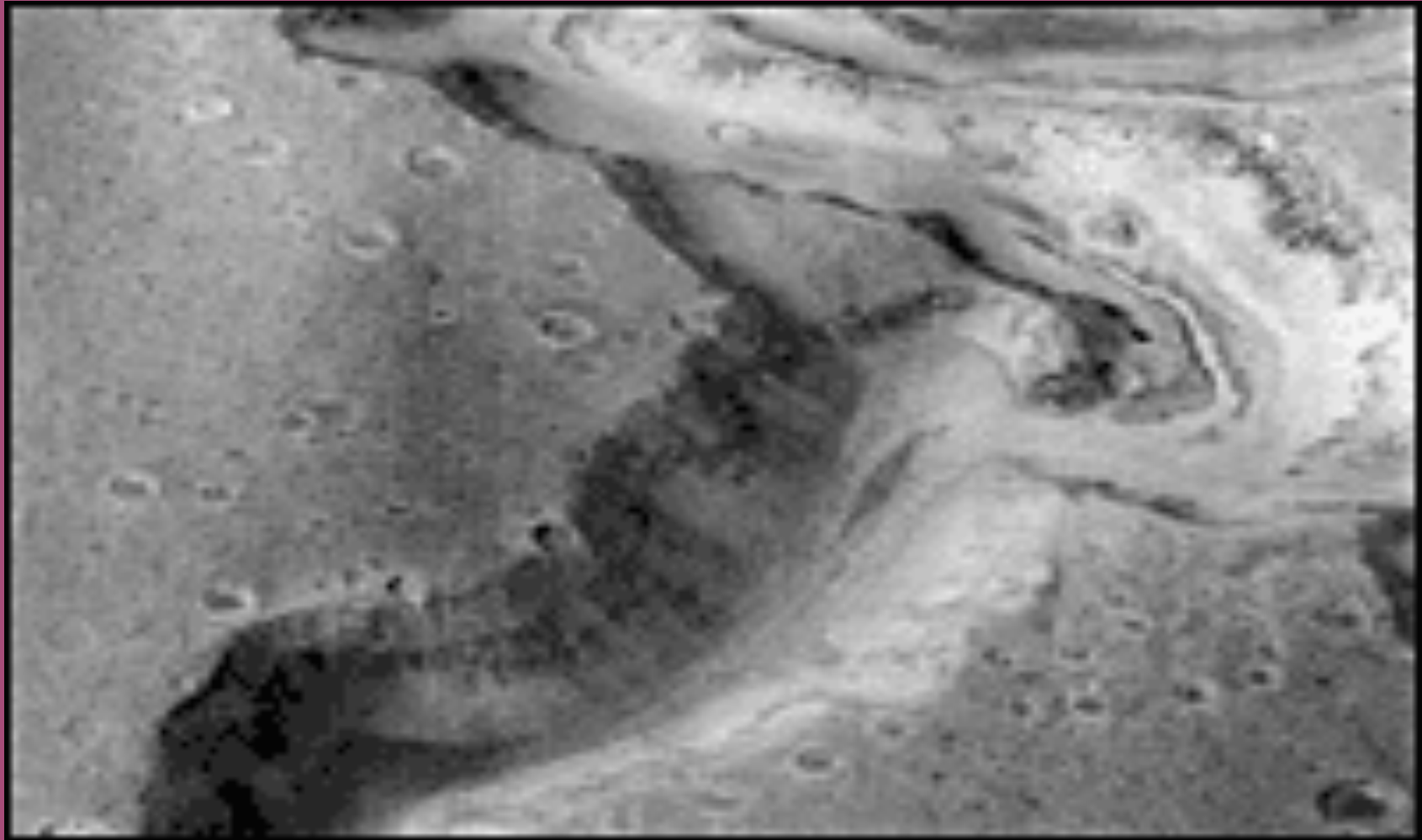
A detailed scanning electron micrograph (SEM) of a yellow microbial mite. The mite has a rounded, oval body covered in a dense, granular texture. It has four pairs of legs, with the front legs being shorter and thicker than the rear legs. The mite is positioned on a dark, textured surface, possibly a leaf or a piece of fabric. The text "YELLOW MICROBIAL MITE" is overlaid in white, serif font across the center of the mite's body.

YELLOW MICROBIAL MITE



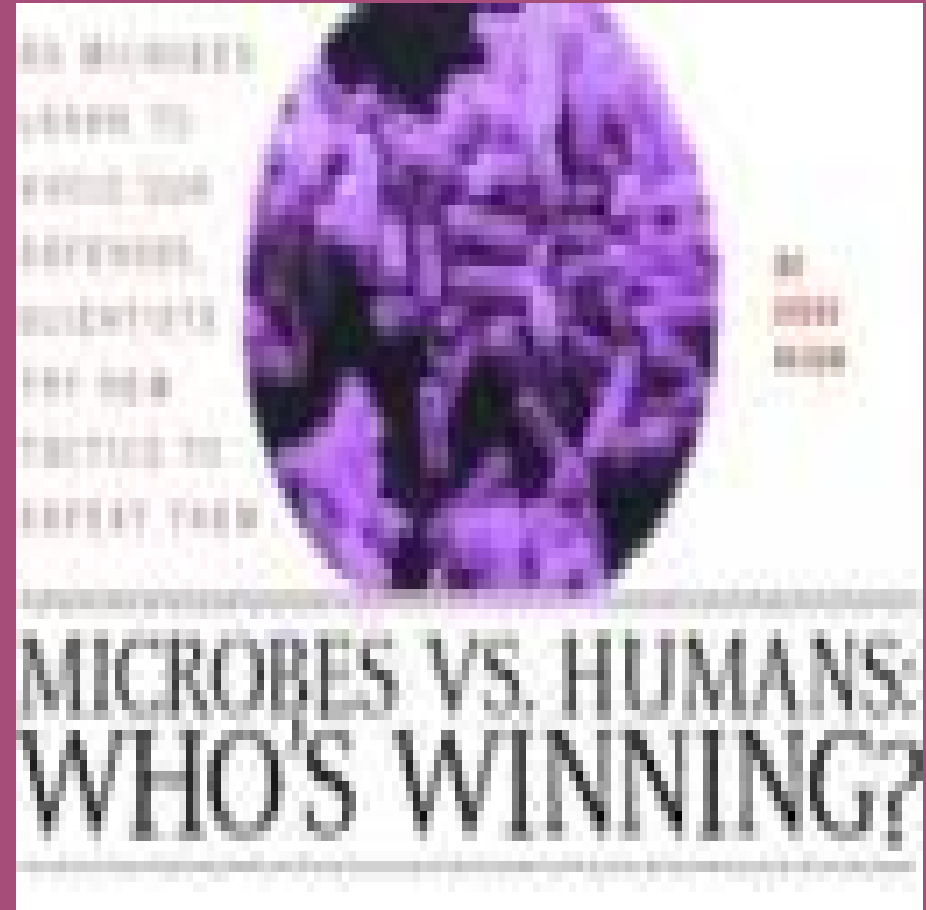
The picture on the top is a picture of saltwater microbes-

III If there is water on another planet, then that planet might have life, because it could be filled with Halobacterium-





A major problem in the human body is that bacterial microbes can be found in our bodies, and spread many viruses. Some of the viruses that bacterial microbes spread are deadly and kill millions of people each year. This is why you have to do the best you can to avoid the spread of germs especially parasites and host-to-host types of bacterial microbes.



TO COME TO A CONCLUISONARY  
STATEMENT THAT I HAVE BEEN THINKING  
ABOUT-

Its hard to beleive that one tiny  
bacterium cell that is even hard to see  
with million dallor microscopes, can  
spread a virus threwh the whole human  
body and easily kill someone-