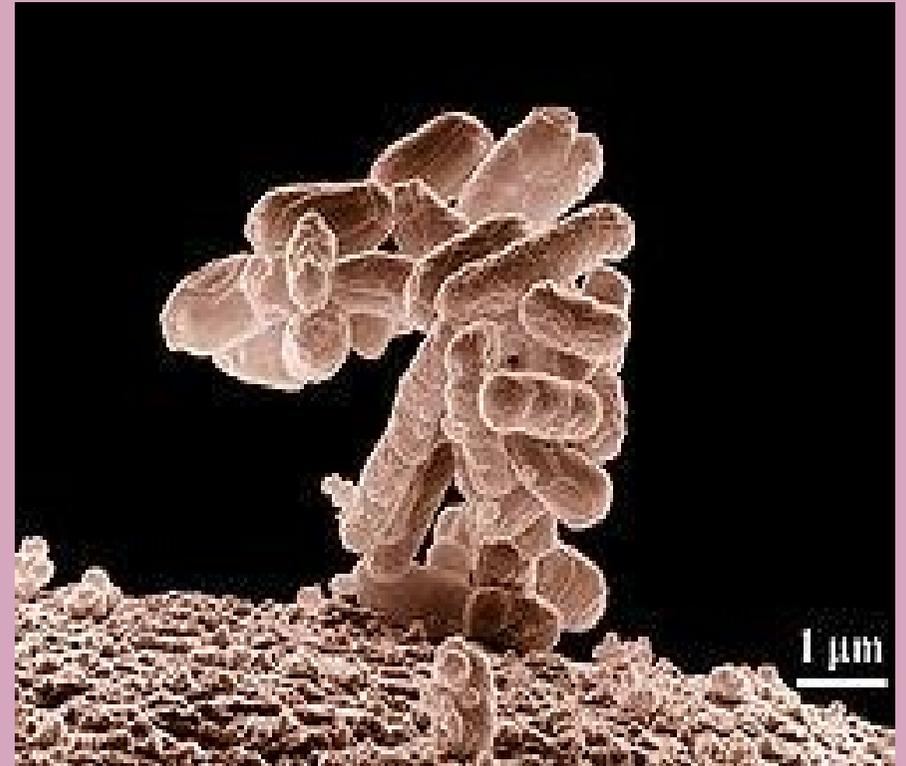


The World of Microbes

By Andrew Nassif

What are Microbes?

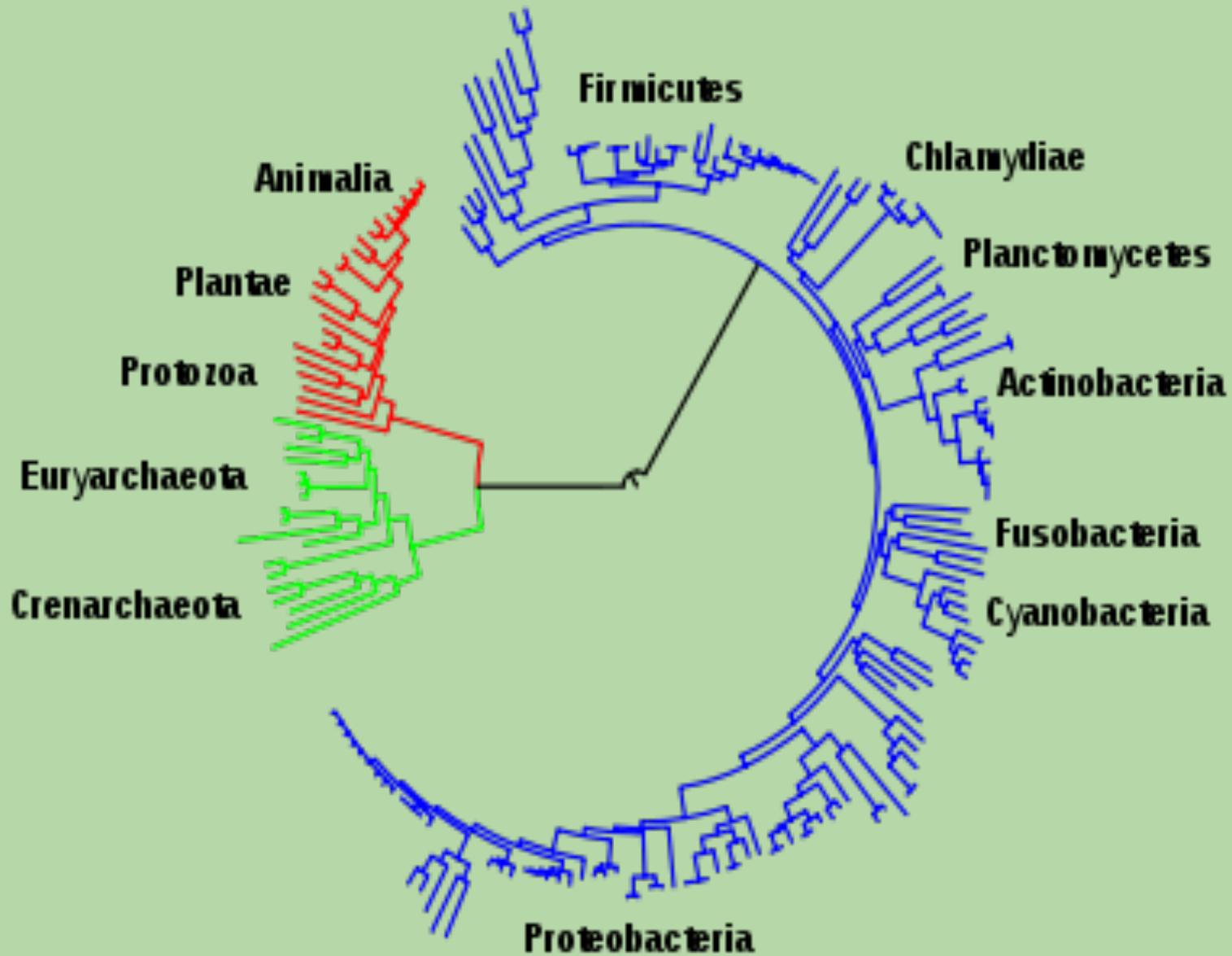
Microbes are Micro-organisms that are unicellular and usually are bacterial cells. Micro-organisms were made from the greek word μικρός ὄργανισμός or *mikrós organismós*. The word *Mikros* means *small*. This is how the origin of micro-organisms started. Microbes are usually small and microscopic and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



The image above is an example of Microbacterial clusters.



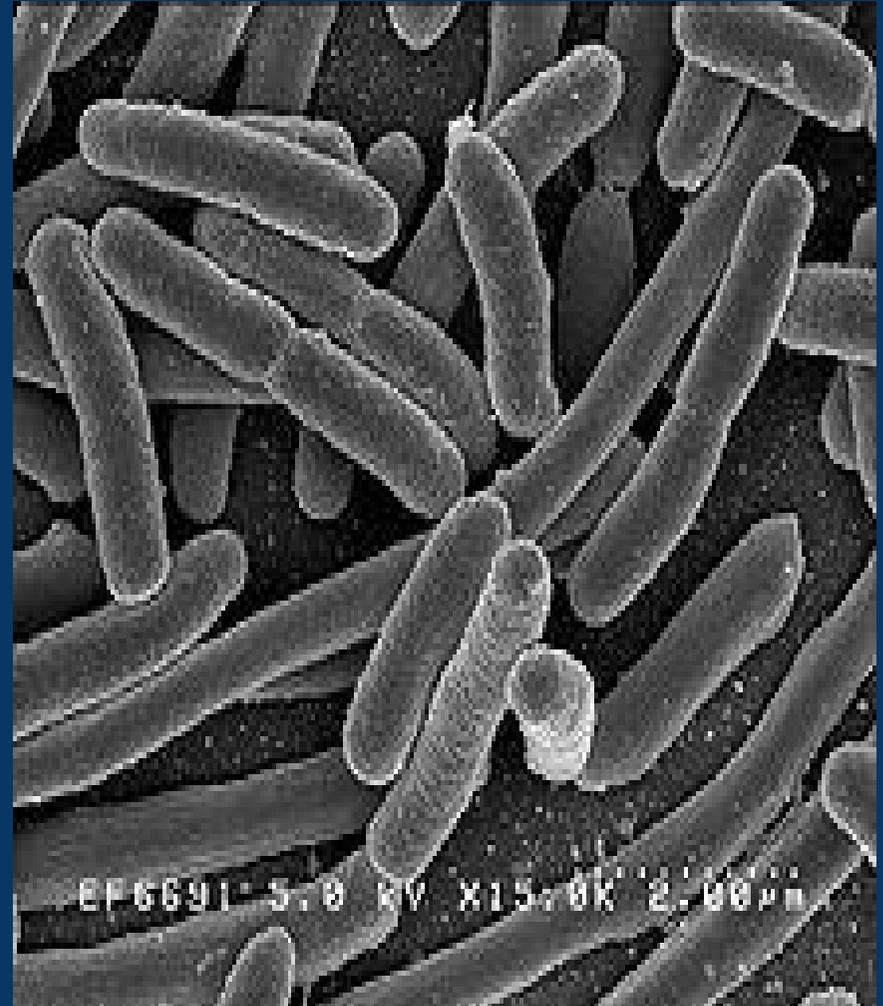
[Antonie van Leeuwenhoek](#) was the Greek scientist who discovered Microbes-



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-

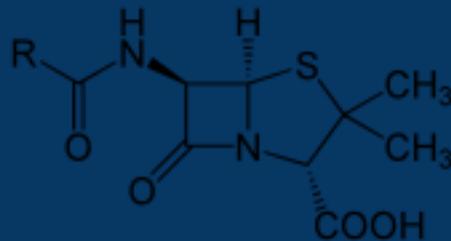


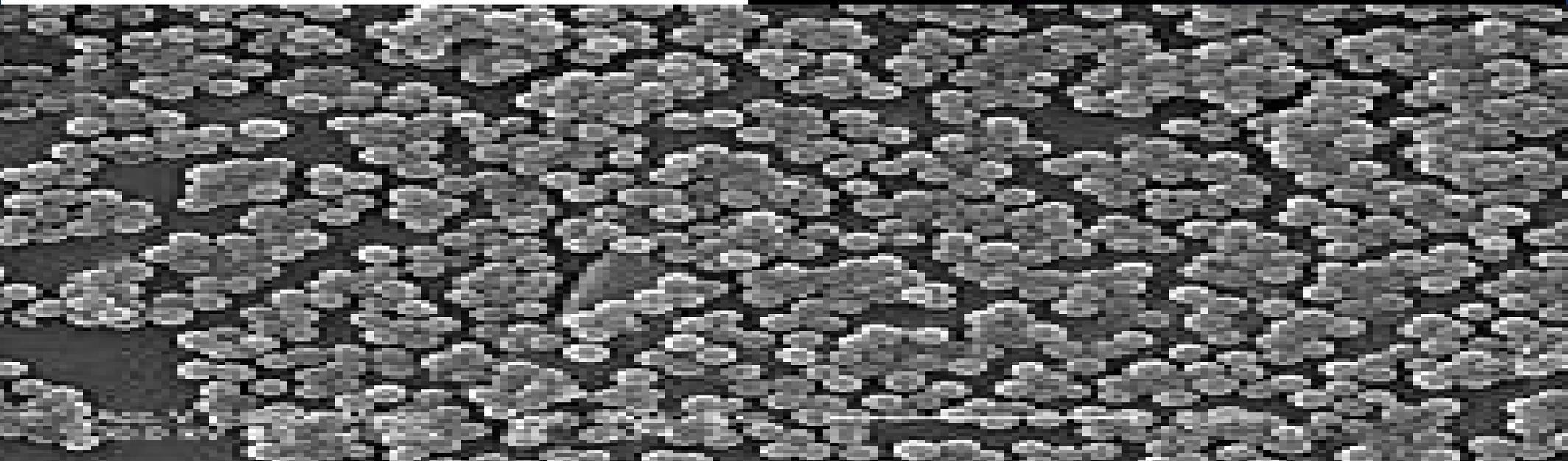
A grayscale micrograph showing a single rotifer, a unicellular micro-organism. The rotifer is elongated and spindle-shaped, with a distinct head region at the top and a tail region at the bottom. The body is covered in fine, hair-like cilia. The background is a light, grainy texture.

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

What are some Negative Health Effects of Bacterial Microbes?

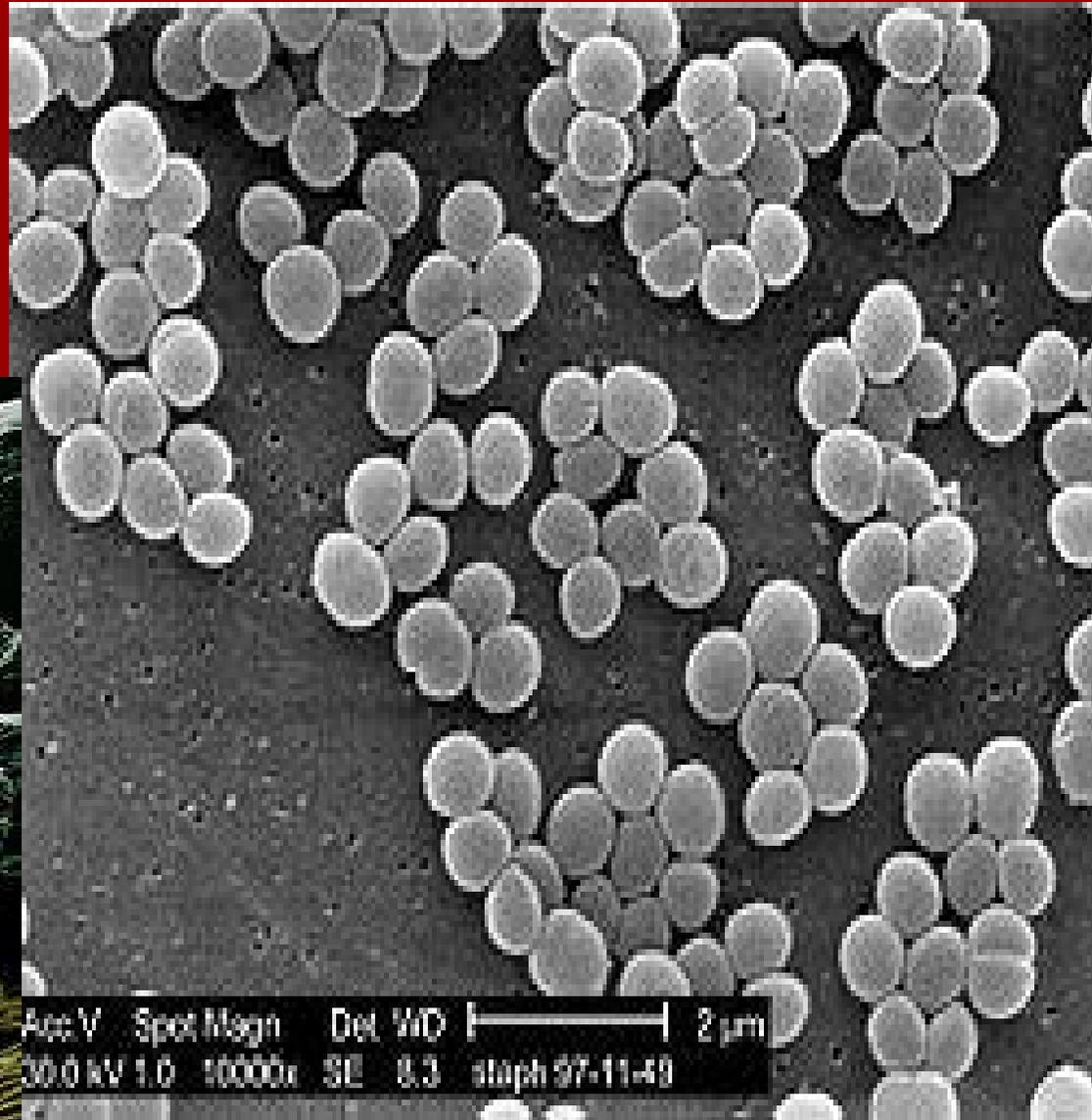
Bacterial Microbes can transmit tons of germs and viruses that can effect the humans body- Bacterial Mi robes can lead to negative health benifits and might even cause a mayjor attack on the body's immune system. Bacterial Microbes can lead to tons of diseases including leukemia and even AIDS. The best thing to do is to always wash your hands and stay away from nasty germs. Keep in mind that if you think your developing a mayjor 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

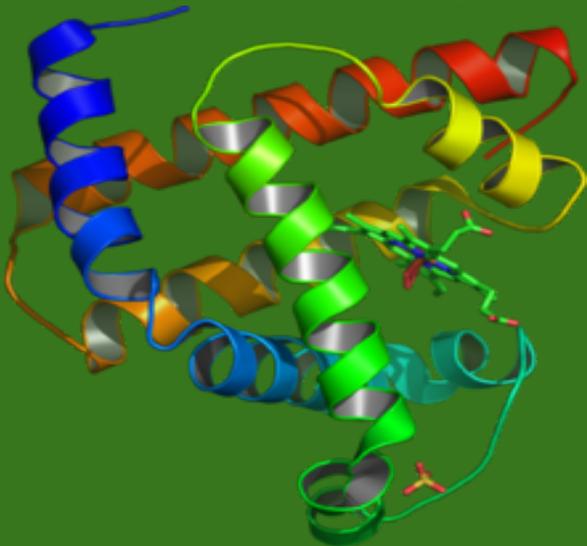


EWV GERM CITY

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



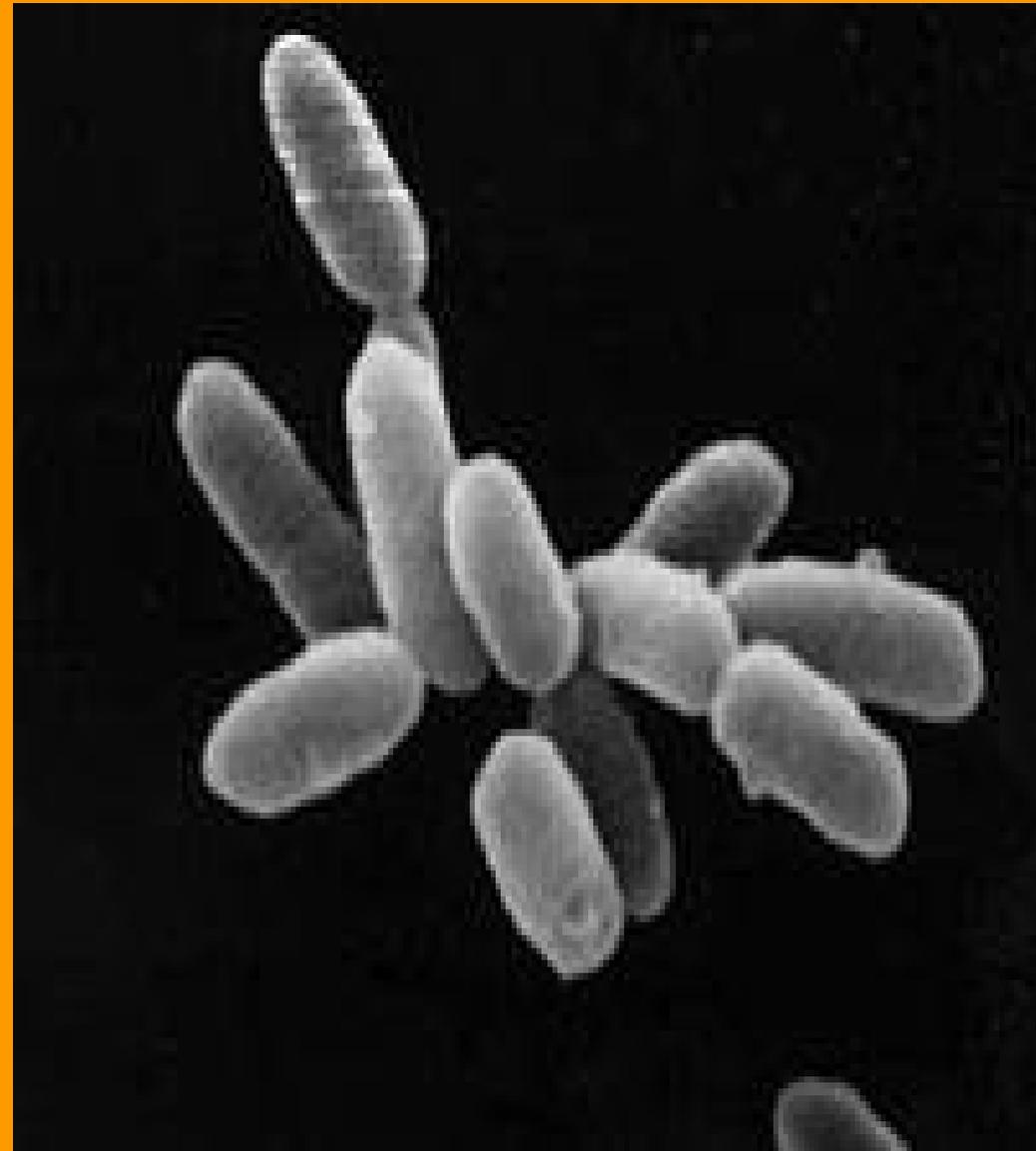
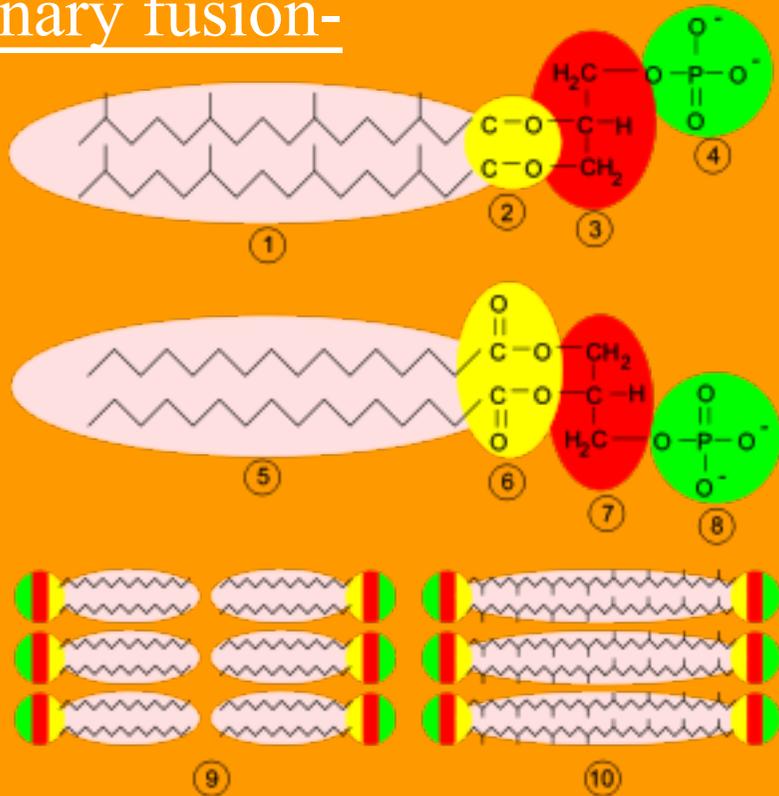
Saprotrophic is the processing of a fungi decaying, tons of micobacterial viruses can be found there-



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-

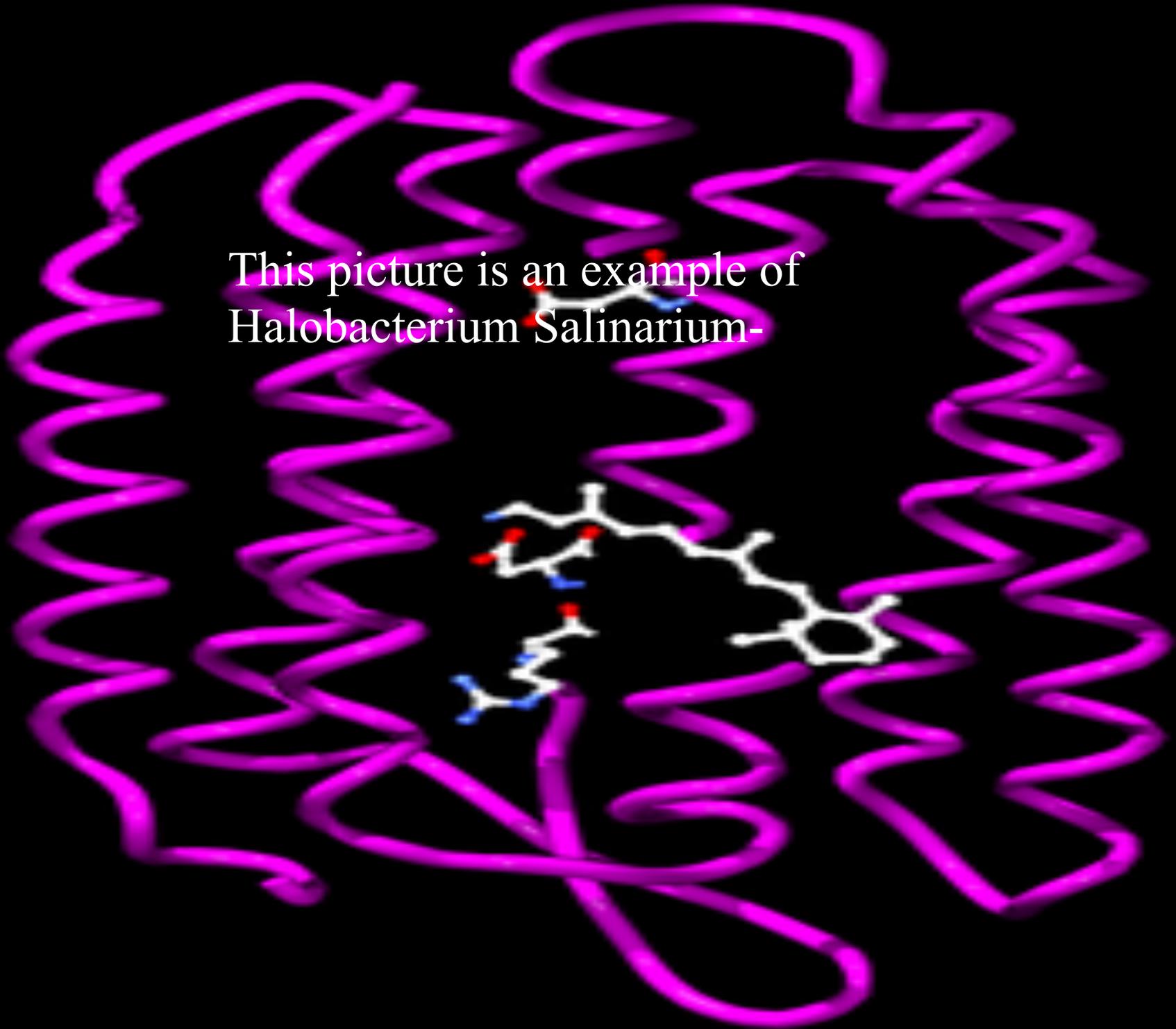


What Are *Halobacterium Salinarum*?

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 microorganisms 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 saltwater ponds that have low densities of oxygen- Scientist have previously discovered genetic material with Halobacterium cells from the michigan basin.

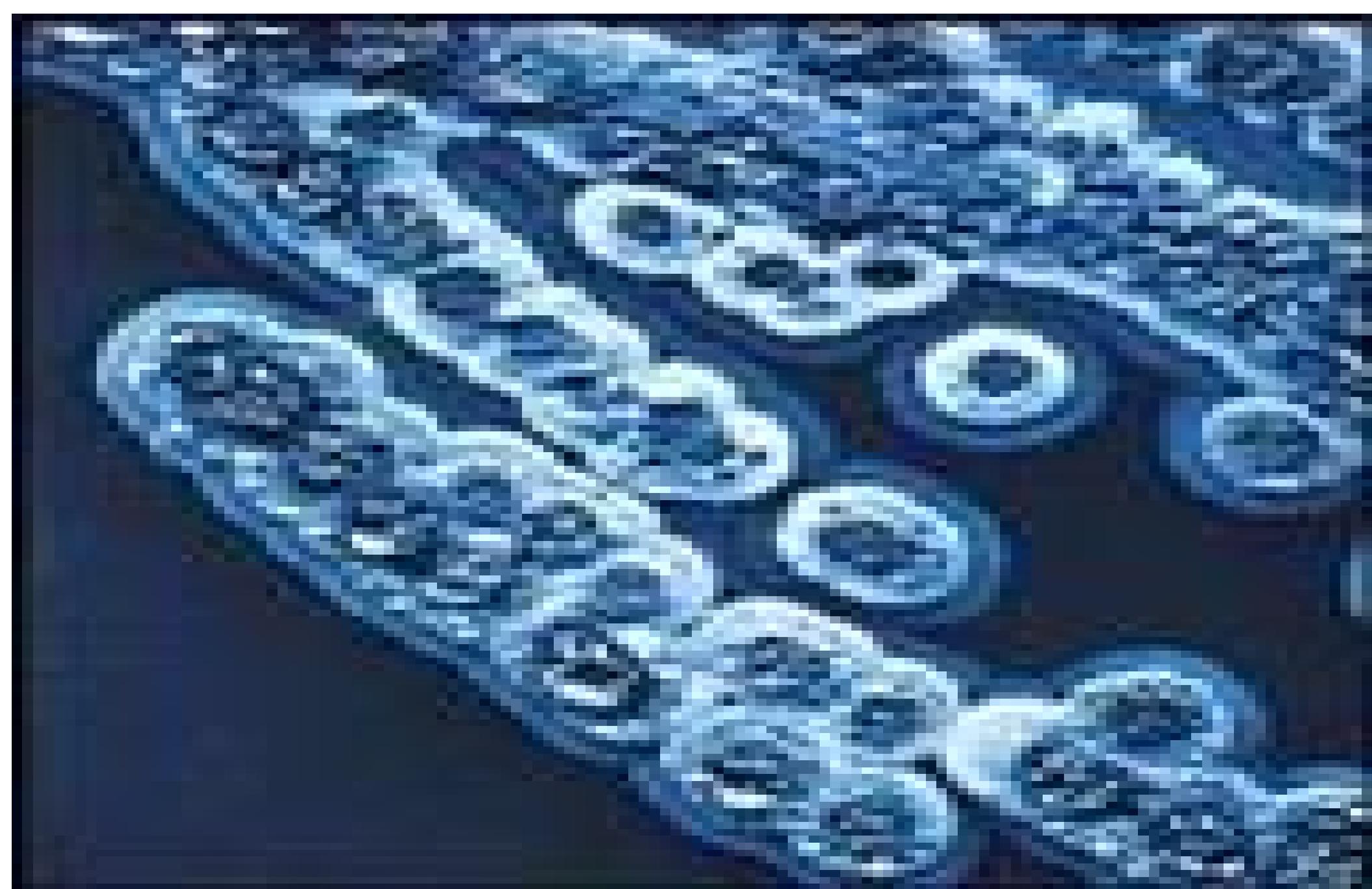


This picture is an example of
Halobacterium Salinarium-



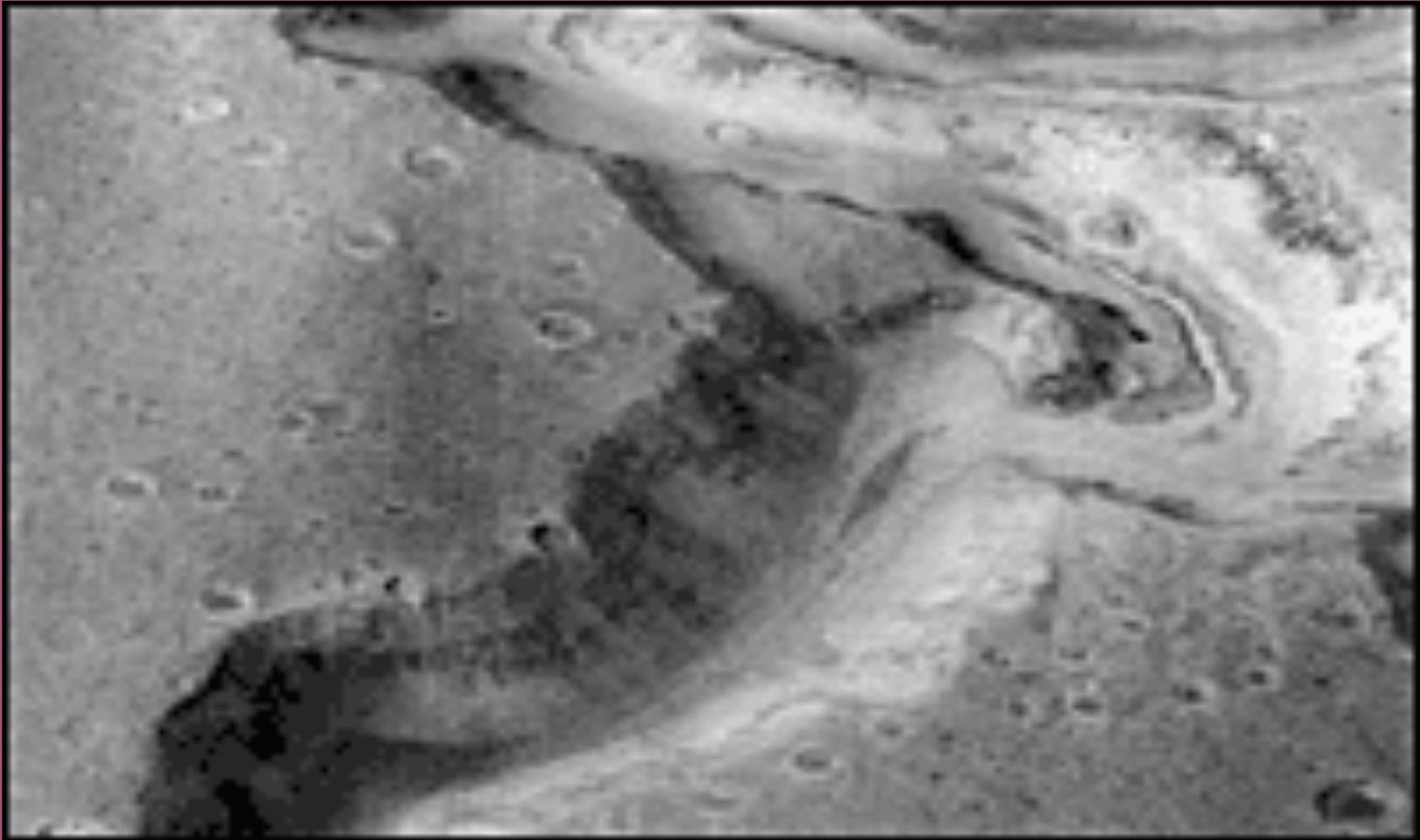
A scanning electron micrograph (SEM) of a yellow microbial mite. The mite is shown in a lateral view, highlighting its oval, textured body and four pairs of legs. The surface of the mite's body is covered in a dense pattern of small, raised granules. The legs are segmented and appear relatively thick. The background is dark and shows some faint, out-of-focus structures, possibly other mites or environmental particles.

YELLOW MICROBIAL MITE

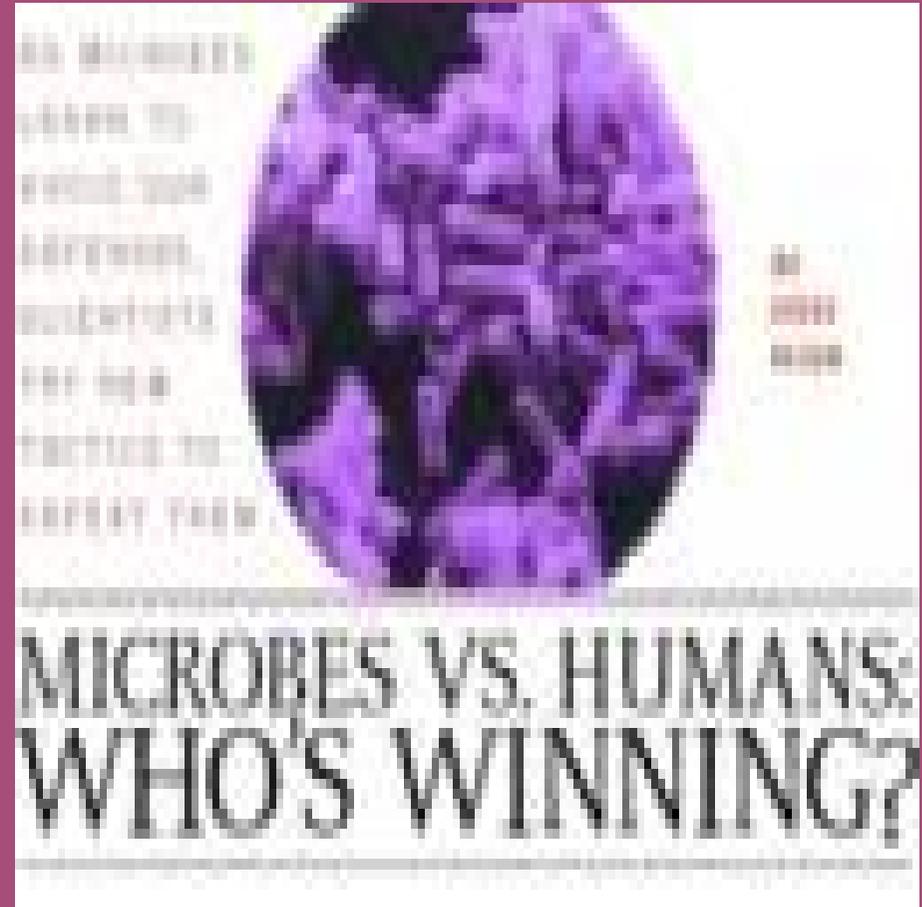


The picture on the top is a picture of saltwater microbes-

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-