

**I grow in your gut to help you digest your food. Without me, chances are you will have a loose motions.**

**I help plants by providing them usable nitrogen in soil.**

**Do you like the smell of earth when it rains? It's because of me.**

**I come in various shapes and sizes - like rods and comma and spheres.**

**I can convert milk into curd.**

**My DNA is not contained in the nucleus in the cell. It is present in form of loops in the cytoplasm.**

**I am  
microscopic and  
often green in  
color.**

**I can make my  
own food by  
taking energy  
from the  
sunlight, by a  
process called  
as  
photosynthesis.**

**I like to grow in  
damp and not  
too hot places.**

**I look like  
green velvet  
but beware, you  
can slip if you  
try walking on  
me.**

**Some of the ice  
creams, cool  
drinks, tooth  
paste and  
lipstick use my  
by-products**

**I grow on your  
bread when you  
forget them  
for too long.**

**I can share my DNA with not only my babies but also my neighbours.**

**I have a cell wall made up of sugars and amino acids.**

**I convert the sugar in sweets, such as chocolates and pastries, into acid that erodes your teeth.**

**You don't like some of my family members. They can cause many diseases such as tuberculosis (TB), Diarrhea, cholera.**

**Humans started using antibiotics to kill some of us who are bad, but we are becoming stronger and these drugs are unable to kill us.**

**People still don't know if they should call me living or non living.**

**I grow like colorful threads and make many spores that can fly around.**

**I can kill bacteria by making some chemicals that humans call as antibiotics.**

**My cells are like human cells in many ways. If I get into your body, you will have a hard time killing me without hurting yourself.**

**You eat some of my family members and you call them mushrooms. Beware, some of us are one of the most poisonous things on earth.**

**My family members are the oldest known living things on earth.**

**Some of my family members have microscopic foot like structures or tiny legs or whip-like feet in the front of our bodies to help us move or swim in water.**

**I can grow only when I am inside another living cell. Else I sit quietly in my shell doing absolutely nothing!**

**My body has only two components - a coat made up of proteins, and genetic material contained inside it.**

**If you have a sore throat, it is generally because of me.**

**Once I am inside your cells, I can put my DNA into your DNA. When your DNA divides, it will also make copies of my DNA. With my DNA copies I can make copies of my whole body, and they will kill your cell. This way I can grow in animal, plant or even bacterial cells.**

**Recently, one of my family members has created havoc in southern India and humans still don't know how to get rid of the infection caused by that member.**

**Some of my family members take help of insects like mosquitoes to get passed on to humans and make them sick.**

**My family members can cause diseases like malaria, sleeping sickness, dysentery. But some of my family members don't bother you at all.**

**We break down (or decompose) dead organisms, animal waste, and plant litter to obtain nutrients and recycle nature's waste**

**I help to make bread. I'm important in baking, wine making and brewing.**