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# STERILISATION

**Concept of sterilization and its differences from disinfection.**

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## **Sterilisation**

- It is the process of complete destruction of all microorganisms present in a system.
- The products free from living microorganisms are called Sterile Products.
- This is usually done by using heat, radiation, or chemical agents.



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## Some related terms

### **Antiseptic :**

Not a disinfectant (a chemical liq. That destroys bacteria). It is a substance or product which prevent the growth of microorganisms by inhibiting their activity without destroying them.

### **Bactericide :**

A substance that kills the bacteria.



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## **Bacteriostatic :**

The substance that arrest or retards the growth of bacteria.

## **Disinfection :**

A process that removes the infection potential by destroying the microorganism but not generally bacterial spore.

## **Germicide :**

A substance that kills pathogenic bacteria (bacteria producing disease) but not bacterial spores.

## **Viricidie :**

A substance that kills viruses.



# Sterility :

The absence of viable microorganism is called sterility.

## Difference between Sterilization and disinfection

<b>Sterilization</b>	<b>Disinfection</b>
The process by which all viable forms of microorganisms are removed or destroyed.	The process that removes infection potential by destroying microorganism.
The bacterial spores are also destroyed.	The bacterial spores are not destroyed.
It is done by any of the physical, chemical and mechanical methods.	It is done by using by any one of the disinfectants.