

Microbiology Exam 2 (2023)

Sterilization - Answer-The process that completely destroys all microbial life, including spores.

disinfection - Answer-A process that eliminates many or all microorganisms, with the exception of bacteria spores, from inanimate objects

Decontamination/Sanitization - Answer-cleansing technique that mechanically removes microorganisms as well as other debris to reduce contamination to safe levels

Antisepsis - Answer-removal of pathogens from living tissue

Place the microbes in order of LEAST to MOST resistant to microbial control agents - Answer-enveloped viruses, fungi, bacterial endospores, prions

An RN on a medical surgical unit would expect to perform all of the following antimicrobial control methods during her care of patients except: - Answer-sterilization

When disinfection occurs, the death of the whole population is often instantaneous. - Answer-false

Which type of cells tend to die more quickly? - Answer-active cells

Cellular targets of physical and chemical agents include: - Answer-cell wall
cytoplasmic membrane

DNA
RNA
Proteins

Discuss the difference between boiling water and Pasteurization - Answer-
Pasteurization deals with applying heat to liquids while boiling water is using the hot liquid- water to disinfect non liquids

What is desiccation and how does it stop microbial growth? - Answer-when vegetative cells that are exposed to normal room air become dehydrated which kills them.

What is lyophilization and how does it affect microbial growth? - Answer-This is a combination of freezing and drying that preserves microorganisms and other cells in a viable state for many years. This method avoids the formation of ice crystals that harm the cell and this permits future reconstitution.

What is the difference between ionizing radiation sterilization and nonionizing radiation sterilization? Give 1 example of the applications of each. - Answer-non ionizing radiation

Microbiology Practice Test Questions And Answers

SJ Ball



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