

ASEPTIC TECHNIQUES

Obj. 4d. Identify levels of aseptic control.

ASEPTIC TECHNIQUES

❖ Aseptic techniques are directed toward maintaining cleanliness & eliminating or preventing contamination



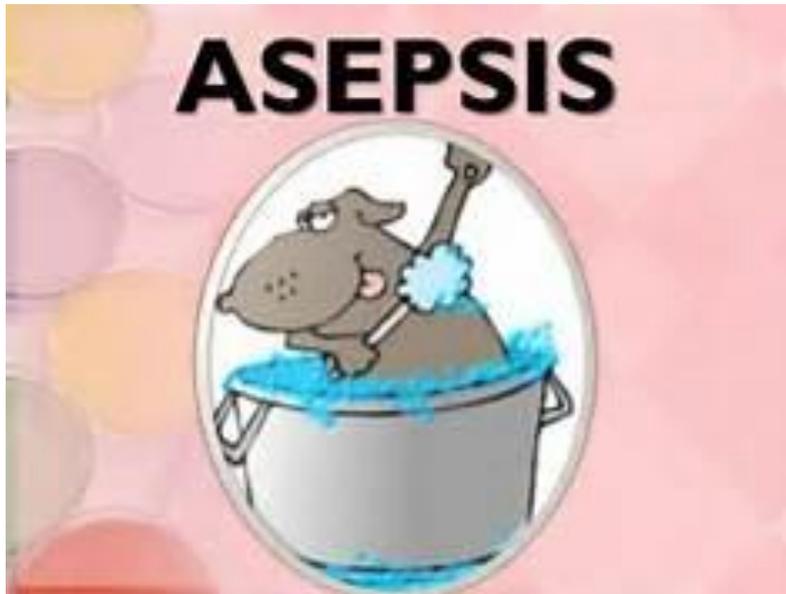
ASEPTIC TECHNIQUES

- ❖ **Contaminated**=organisms & pathogens are present
- ❖ Any object or area that may contain pathogens is considered contaminated



ASEPTIC TECHNIQUES

❖ **Asepsis**=absence of disease-producing microorganisms (pathogens). Also called clean technique or medical asepsis



❖ **Sterile**=free from all microorganisms, both pathogens & nonpathogens, including spores & viruses. Also called surgical asepsis



ASEPTIC TECHNIQUES

❖ A major way to break the chain of infection is to use **aseptic techniques** while providing health care.

Common aseptic techniques:

- Handwashing
- Good personal hygiene
- Use gloves when contacting body secretions or contaminated objects
- Proper cleaning of instruments, equipment, & environment



ASEPTIC TECHNIQUES

Various levels of aseptic control are possible:

- **Antisepsis**=antiseptics prevent or inhibit growth of pathogens but aren't effective against spores & viruses.

They can usually be used on skin

Example: alcohol, betadine



ASEPTIC TECHNIQUES

Various levels of aseptic control are possible:

➤ **Disinfection** = a process that destroys or kills pathogens. It is not always effective against spores & viruses.

Chemical disinfectants are used in this process.

These can irritate or damage skin; are used on objects

Example: bleach



ASEPTIC TECHNIQUES

Various levels of aseptic control are possible:

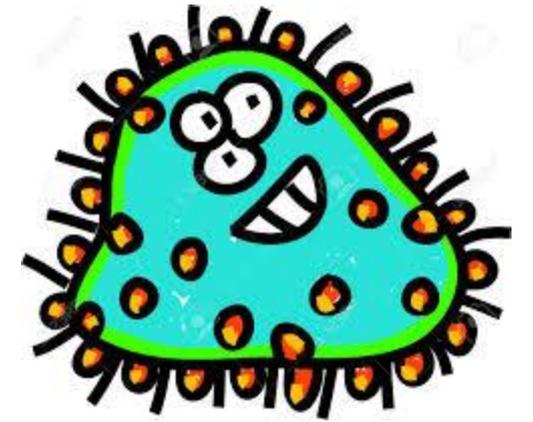
➤ **Sterilization** = process that destroys all microorganisms, both pathogens & nonpathogens, including spores & viruses.

Example: Steam under pressure, gas, radiation, & chemicals can be used to sterilize objects.

Autoclave is the most common piece of equipment used for sterilization



LET'S REVIEW



Which of the following practices effectively destroys all microorganisms?

- a) Sterilization
- b) Medical asepsis
- c) Disinfection
- d) Use of antiseptics

The correct answer is....

A

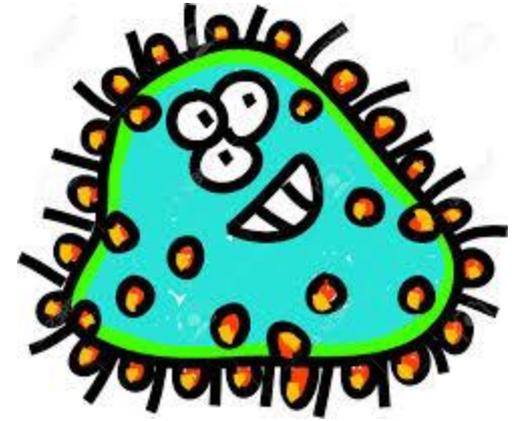
LET'S REVIEW

Aseptic technique is directed toward maintaining:

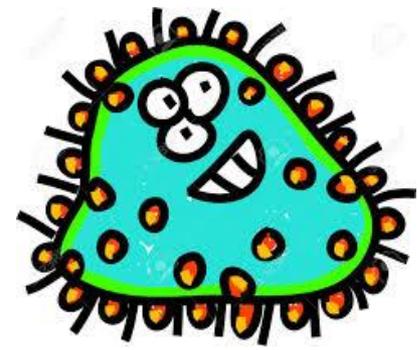
- a) Surgical asepsis
- b) Sterility
- c) Contamination
- d) cleanliness

The correct answer is....

D



LET'S REVIEW



The process that destroys pathogenic organisms but is not always effective against spores and viruses and it used mainly on objects, not people is _____.

- a) Sterilization
- b) Chemical disinfection
- c) Ultrasonic cleaning
- d) antiseptis

The correct answer is....

B