

3. Which of the following is a typical Gram-positive bacterium?

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3. Which of the following is a typical Gram-positive bacterium?

- a. *Pseudomonas* spp.
- b. / *Staphylococcus* spp.
- c. *Salmonella* spp.
- d, *Neisseria* spp.
- e. *Escherichia coli*

4. Who among the under listed was a proponent of the theory of spontaneous generation

- a. John Tyndall
- b, Louis Pasteur
- c. All of these
- d, Francesco Stelluti
- e. /Aristotle

%, All those who contributed to the understanding of the Germ theory of disease were

a. / Louis Pasteur, Joseph Lister, and Robert Koch

b, Louis Pasteur, and Robert Koch

c. Robert Koch, and Joseph Lister

d. Joseph Lister, and Louls Pasteur

e. Joseph Lister

6. What is the primary limitation of the filtration process for sterilization?

a. It is too slow for practical use

b, It requires high pressure to be ef fective

c. It cannot remove all bacteria

d, It leaves toxic residues in the filtered material

e. /The pores are not small enough to filter out viruses

7. What makes chocolate agar an enriched medium?

a. It has a high salt concentration

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e. /It contains heat-treated blood, giving tt a brown color

&. Abiogenesis means that

a, / Living organisms could develop from nonliving matter

b. Living things only come from other living things through reproduction

c. Reproduction ts the only way to life

d. Life ts a continuous process

e. All of these

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4. What ts a characteristic of negative staining?

a, It requires heat-fixing the bacterial smear

b. /It does not require making a smear and stains the

background,

- c. It uses two different stains to differentiate bacteria
- d, It uses basic dyes such as methylene blue or basic fuchsin
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10, Fungi are both macroscopic and microscopic. The microscopic form is

- a. J Yeast
- b, Mushroom
- c. Hyphae
- d, Virus
- e. Mold

11. Which of the following is NOT a method of physical sterilization?

- a. Autoclaving
- b, Ionizing radiation
- c. Filtration
- d, / Quaternary ammonium compounds
- e. Boiling

12, Which of the following is an advantage of dry heat sterilization?

- a. It leaves no toxic residues
- b. /It is effective for sterilizing items that might be damaged by moisture
- c. It can be used to sterilize culture media
- d. It is faster than moist heat sterilization

e. It is suitable for all types of materials

13, Who proposed the Germ Theory of Disease?

a. Lazzaro Spallanzani

b. Robert Hook

c. J Louts Pasteur

d, Robert Koch

e. John Needham

14. What is the principle behind the functioning of an autoclave for sterilization?

a. / Moist heat sterilization

b. Dry heat sterilization

c. Ultraviolet (UV) light exposure

d, Chemical disinfection

e. Filtration

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15, What is the primary use of assay media in microbiological techniques?

- a. /To determine vitamins, amino acids, and antibiotics
- b. Characterization of bacteria
- c. Maintenance of bacterial cultures
- d. Isolation of pure bacterial cultures
- e. Enumeration of bacteria

16, What is the primary reason anaerobic bacteria need, special media for growth?

- a, High oxygen content
- b. High oxidation-reduction potential

- c. Increased light exposure
- d. /Low oxygen content and reduced oxidation-reduction potential
- e. Increased temperature

17. Which of the following is true of viruses?

- a. They can be grown in synthetic culture media
- b. They cannot infect plants
- c. / They are acellular
- d. They cannot infect other microorganisms
- e, Viruses cannot Infect animals

18, What is the primary purpose of transport media in microbiology?

- a. To provide nutrients for microbial multiplication
- b, To increase the pathogenicity of the specimen
- c. To sterilize the specimen for laboratory analysis
- d. /To preserve the specimen and minimize bacterial overgrowth
- e. To enhance the

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) Question 1 Not yet answered \

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Question 2 Not yet answered

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☐ b. Robert Koch

☐ c. Aristole A)

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Question 5 Not yet answered

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b. Joseph Lister, and Louis Pasteur

☐

☒ c. Louis Pasteur, and Robert Koch

☐ d. Robert Koch, and Joseph Lister

☐

e. Joseph Lister

Question 6 Not yet answered

Marked out of 1.00 r Flag question

Which of the following is not true about Koch's postulates?

' Select one:

☒ a. The specific pathogen must be isolated from diseased host and grown in pure culture

☐ b. None of these

☐ c. The pathogen must be present in all cases of the disease

☐ d. The pathogen must not be re-isolated A)

from the new host

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Question 7 Not yet answered , ‘

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© d.To sterilize the specimen for laboratory analysis

© e.To provide nutrients for microbial multiplication

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© ¢. Life is a continuous process

©. d. Living organisms could develop from nonliving matter

© | e. Reproduction is the only way to life

Question 10 Not yet answered

Marked out of 1.00 er Flag question

Which of the following is a typical Gram-negative

bacterium?

Select one:

☐ a. *Helicobacter* spp.

☐ b. *Bacillus* spp.

☐ d. *Clostridium* spp.

☐ e. *Streptococcus* spp A)

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☐ © *Staphylococcus* spp.

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Question 11 Not yet answered

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Who invented the simple microscope?

Select one:

☒ a. Robert Koch

☐ b. Anthony Van Leeuwenhoek

☐ d. Aristole

☐

☒ c. Louis Pasteur

☐ O

☐ O

☐ e. Spallanzani

Question 12 Not yet answered

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Select one:

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☐ b. Mold

☒ c. Hyphae

☐ d. Yeast

☐ e. Mushroom

Question 14 Not yet answered

Marked out of 1.00 p Flag question

How transport media are generally classified?

Select one:

☒ a. By their expiration date and storage

conditions

QO \_ b. By the type of microorganisms they can kill

Q \_ c. By their ability to support viral growth

Q \_ d. By their color and smell

Oe. By their physical state and usefulness as  
bacterial or viral transport media,

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Question 15 Not yet answered

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Question 15 Not yet answered

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Which of the following is NOT a method of physical sterilization?

Select one:

☒ a. Ionizing radiation

☐ b. Filtration

☐ c. Quaternary ammonium compounds

☒ d. Boiling

☐ e. Autoclaving

Question 16 Not yet answered

Marked out of 1.00 v Flag question

Which of the following items is most suitable for

sterilization using a hot air oven?

Select one:

☒ a. Glycerol and dusting powders

☐ b. Surgical dressings

☐ d. Plastic containers

☐ e.

☒ c. Rubber gloves

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e. Culture media

Question 17 Not yet answered

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Question 17 Not yet answered

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☐ d. They cannot infect plants

☐ | e. They can be grown in synthetic culture

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Question 19 Not yet answered SN .

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What is the primary mechanism by which

autoclave sterilizes equipment?

Select one:

© a. Desiccation

© |b. Radiation

©. Freezing

© d. Chemical reactions

◦

e. High-pressure steam

Question 20 Not yet answered

Marked out of 1.00 p Flag question

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What distinguishes a defined medium from an

undefined medium?

Select one:

☐ a. Undefined medium is only used for

eukaryotic cells

☐ \_ b. Undefined medium cannot support

microbial growth

☐ c. Defined medium has known quantities of

all ingredients

☐ d. Defined medium is more expensive than  
undefined medium A)

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Question 1 Not yet answered Marked out of 1.00

How transport media are generally classified?

Select one:

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a. By the type of microorganisms they can kill

- b. By their ability to support viral growth
- c. By their physical state and usefulness as bacterial or viral transport media.
- d. By their expiration date and storage conditions
- e. By their color and smell

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Question 2 Not yet answered Marked out of 1.00

Who among the under listed was a proponent of the theory of spontaneous generation

Select one:

☒ a. All of these

☐ b. John Tyndall

☐ c. Aristotle

☒ d. Louis Pasteur

☐ e. Francesco Stelluti

Question 3 Not yet answered Marked out of 1.00

The contributions of Robert Koch to the field of Microbiology and Medical Science include the following except

Select one:

- ☐ a. He proved the Germ Theory of Disease
- ☐ b. He developed for the first time a staining technique to stain the bacteria with acidic or basic stain
- ☐ c. He discovered that bacteria caused tuberculosis in man
- ☐ d. Using dilute solution of phenol/carbolic acid in surgical dressings to prevent wound infections
- ☐ e. He isolated and identified different kinds of bacteria from various samples

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--- Page 70 ---

Question 4 Not yet answered Marked out of 1.00

Which of the following is true about bacteria?

Select one:

© sa. They have cell membrane and cell wall

© \_b.They grow best at acidic pH

©. .All bacteria are aerobes

© d.None of these

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Question 5 Not yet answered Marked out of 1.00

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Select one:

☐ a. Radiation

☐ b. Freezing

☐ c.High-pressure steam

☐ d. Desiccation

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Question 8 Not yet answered Marked out of 1.00

Which of the following items is most suitable for sterilization using a hot air oven?

Select one:

☐ a.Rubber gloves

☐ b. Culture media

☐ c.Plastic containers

☐ d. Surgical dressings

☐ e.Glycerol and dusting powders

Question 9 Not yet answered Marked out of 1.00

Bacteria are prokaryotes because

Select one:

☐

☐

a. They have cytoplasm

b. They grow rapidly

- c. They have true nucleus
- d. They do not have true nucleus enclosed in a cell membrane
- e. They are very minute in size

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Question 10 Not yet answered Marked out of 1.00

Which of the following is a typical Gram-negative bacterium?

Select one:

☒ a. Clostridium spp.

☐ b. Streptococcus spp

☐ c. Bacillus spp.

☐ d. Staphylococcus spp.

☐ e. Helicobacter spp.

Question 11 Not yet answered Marked out of 1.00

What is the primary mechanism by which UV-C light kills microorganisms?

Select one:

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The first person to publish detailed and accurate observations of microorganisms

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Question 16 Not yet answered Marked out of 1.00

Which of the following is true of viruses?

Select one:

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e. *Pseudomonas* spp.

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- b. Joseph Lister, and Louis Pasteur
- c. Joseph Lister
- d. Robert Koch, and Joseph Lister
- e. Louis Pasteur, Joseph Lister, and Robert Koch

Question 2 Not yet answered

Marked out of 1.00 v Flag question

What is the primary purpose of transport

media in microbiology?

Select one:

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Question 2

Not yet answered

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What is the primary purpose of transport

media in microbiology?

Select one:

a. To provide nutrients for microbial

multiplication

b. To enhance the growth of specific

microorganisms

c. To preserve the specimen and

minimize bacterial overgrowth

d. To sterilize the specimen for

laboratory analysis

e. To increase the pathogenicity of the

specimen

Question 3 Not yet answered

Marked out of 1.00 v Flag question

Who invented the simple microscope?

Select one:

a. Aristole N

b. Louis Pasteur

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Question 3 Not yet answered

Marked out of 1.00 r Flag question

Who invented the simple microscope?

Select one:

a. Aristotle

b. Louis Pasteur

c. Anthony Van Leeuwenhoek

d. Spallanzani

e. Robert Koch

Question 4 Not yet answered

Marked out of 1.00 v Flag question

What is the primary limitation of the filtration

process for sterilization?

Select one:

a. It leaves toxic residues in the filtered

material

b. The pores are not small enough to

filter out viruses

c. It cannot remove all bacteria

d. It requires high pressure to be

effective

e. It is too slow for practical use

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Question 5 Not yet answered

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What is a characteristic of negative staining?

Select one:

a. It requires heat-fixing the bacterial

smear

b. It uses two different stains to

differentiate bacteria

c. It stains the bacterial or yeast capsule  
black

d. It does not require making a smear

and stains the background

e. It uses basic dyes such as methylene  
blue or basic fuchsin

Question 6 Not yet answered

Marked out of 1.00 v Flag question

How transport media are generally classified?

Select one:

a. By their color and smell

b. By their physical state and usefulness

as bacterial or viral transport media. i

c. By their ability to support viral growth

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How transport media are generally classified?

Select one:

a. By their color and smell

b. By their physical state and usefulness

as bacterial or viral transport media.

c. By their ability to support viral growth

d. By their expiration date and storage

conditions

e. By the type of microorganisms they

can kill

Question 7 Not yet answered

Marked out of 1.00 vr Flag question

Which of the following is a typical Gram-positive bacterium?

Select one:

- a. *Pseudomonas* spp.
- b. *Staphylococcus* spp.
- c. *Neisseria* spp.
- d. *Salmonella* spp. X
- e. *Escherichia coli*

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Question 8 Not yet answered

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Which of the following is true of viruses?

Select one:

- a. They are acellular
- b. They can be grown in synthetic culture

media

- c. They cannot infect other

microorganisms

- d. They cannot infect plants

- e. Viruses cannot infect animals

Question 9 Not yet answered

Marked out of 1.00 v Flag question

What is the primary mechanism by which

autoclave sterilizes equipment?

Select one:

- a. High-pressure steam
- b. Desiccation
- c. Chemical reactions

d. Freezing "

e. Radiation

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Question 1U Not yet answered

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What makes chocolate agar an enriched  
medium?

Select one:

- a. It contains glucose as a carbon source
- b. It has a high salt concentration
- c. It contains heat-treated blood, giving it  
a brown color
- d. It contains a pH indicator to  
differentiate bacterial species
- e. It includes selective agents to inhibit

unwanted bacteria

Question 11 Not yet answered

Marked out of 1.00 v Flag question

Bacteria are prokaryotes because

Select one:

a. They have true nucleus

b. They do not have true nucleus

enclosed in a cell membrane

c. They are very minute in size

d. They have cytoplasm XI