

# Natural Biology

# Microbiology

# Final 2

Microbiology #2

Author: Madison Christian

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## 4. Chapter: Microbiology Final 2

### 1. Microbiology Final 2 Questions

#### 4.1.1. Phenotypically identical bacteria

Author: Madison Christian

Phenotypically identical bacteria

Please choose only one answer:

- look the same.
- are genetically exactly the same.
- may be told apart by DNA sequence analysis.
- may not be told apart by any means.
- look the same AND may be told apart by DNA sequence analysis.

Check the answer of this question online at QuizOver.com:

Question: [Phenotypically identical bacteria Madison Christian Micro Final Quest](#)

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#### 4.1.2. The name Lactococcus (Streptococcus) lactis

Author: Madison Christian

The name Lactococcus (Streptococcus) lactis

Please choose only one answer:

- indicates that the subgenus is Streptococcus.
- indicates that the family is Lactococcus.
- indicates that Streptococcus is the old genus name.
- indicates that Lactococcus is the old class name.

Check the answer of this question online at QuizOver.com:

Question: [The name Lactococcus Streptococcus lactis Madison Christian Micro](#)

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#### 4.1.3. In 1908 Orla-Jensen suggested that bacteria be grouped according to...

Author: Madison Christian

In 1908 Orla-Jensen suggested that bacteria be grouped according to their

Please choose only one answer:

- arrangement.
- morphology.
- physiology.
- Gram stain.

Check the answer of this question online at QuizOver.com:

Question: [In 1908 Orla-Jensen suggested that bacteria Madison Micro Final Quest](#)

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#### 4.1.4. Organisms that grow very slowly, are non-culturable, are present in...

Author: Madison Christian

Organisms that grow very slowly, are non-culturable, are present in very small numbers or are mixed with a number of other bacteria may still be identified using

Please choose only one answer:

- Southern blotting.
- replica plating.
- PCR.
- gas chromatography of fatty acids.

Check the answer of this question online at QuizOver.com:

Question: [Organisms that grow very slowly are non Madison Christian Micro Quest](#)

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#### 4.1.5. Gram-positive encapsulated diplococci found in sputum is indicative of

Author: Madison Christian

Gram-positive encapsulated diplococci found in sputum is indicative of

Please choose only one answer:

- coli.
- Pseudomonas.
- Streptococcus pneumoniae.
- Neisseria gonorrhoea.

Check the answer of this question online at QuizOver.com:

Question: [Gram-positive encapsulated diplococci Madison Christian Micro Final](#)

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#### 4.1.6. Woese

Author: Madison Christian

Woese

Please choose only one answer:

- was involved in determining rRNA sequences.
- proposed breaking prokaryotes into two groups.
- proposed breaking eukaryotes into Archaea and Bacteria.
- was involved in refining the Gram stain for classification purposes.
- was involved in determining rRNA sequences AND proposed breaking prokaryotes into two groups.

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#### 4.1.7. APITM, Enterotube™ and Vitek™ are all

Author: Madison Christian

APITM, Enterotube™ and Vitek™ are all

Please choose only one answer:

- methods for extracting DNA from bacteria.
- used to measure gas production.
- commercially available methods used to identify bacteria.
- used to show the presence of bacteria in a sample.

Check the answer of this question online at QuizOver.com:

Question: [APITM Enterotube™ and Vitek™ are all Madison Christian Micro Quest](#)

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Interactive Question:

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## 4.1.8. Phage typing

Author: Madison Christian

### Phage typing

Please choose only one answer:

- is useful for determining eukaryotic cell types.
- is used to extract DNA from cells.
- is used to distinguish bacterial strains.
- is dependent on the type of eukaryotic cell.
- is used to distinguish bacterial strains AND is dependent on the type of eukaryotic cell.

Check the answer of this question online at QuizOver.com:

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#### 4.1.9. The three domain classification scheme uses

Author: Madison Christian

The three domain classification scheme uses

Please choose only one answer:

- order, phylum, class.
- plants, animals, bacteria.
- protista, prokaryotae, fungaea.
- Archaea, Bacteria, Eucarya.

Check the answer of this question online at QuizOver.com:

Question: [The three domain classification scheme Madison Christian Micro Quest](#)

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#### 4.1.10. Mycobacterium tuberculosis is one of the few species of bacteria that

Author: Madison Christian

Mycobacterium tuberculosis is one of the few species of bacteria that

Please choose only one answer:

- are encapsulated.
- stain Gram-negative.
- are acid fast.
- stain Gram-positive.

Check the answer of this question online at QuizOver.com:

Question: [Mycobacterium tuberculosis is one of the Madison Christian Micro](#)

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#### 4.1.11. The relatedness of organisms determined by counting common characte...

Author: Madison Christian

The relatedness of organisms determined by counting common characteristics is called

Please choose only one answer:

- evolutionary taxonomy.
- amino acid sequences.
- DNA sequences.
- numerical taxonomy.
- suggests the organisms are very closely related at the species level AND means the GC content is 45%.

Check the answer of this question online at QuizOver.com:

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#### 4.1.12. The basic taxonomic unit in the classification scheme of plants and...

Author: Madison Christian

The basic taxonomic unit in the classification scheme of plants and animals is

Please choose only one answer:

- kingdom.
- class.
- order.
- genus.
- species.

Check the answer of this question online at [QuizOver.com](http://www.quizover.com):

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#### 4.1.13. The ticks of a genetic clock are measured by the

Author: Madison Christian

The ticks of a genetic clock are measured by the

Please choose only one answer:

- number of random mutations.
- number of dead cells.
- amount of RNA.
- amount of DNA.

Check the answer of this question online at QuizOver.com:

Question: [The ticks of a genetic clock are measured Madison Christian Micro](#)

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4.1.14. The more closely related two organisms are,

Author: Madison Christian

The more closely related two organisms are,

Please choose only one answer:

- the less they look alike.
- the more similar the nucleic acid sequence.
- the less similar the nucleic acid sequence
- the more they are phenotypically similar
- the more similar the nucleic acid sequence AND the more they are phenotypically similar.

Check the answer of this question online at QuizOver.com:

Question: [The more closely related two organisms Madison Christian Micro Quest](#)

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## 4.1.15. Fatty acid analysis

Author: Madison Christian

### Fatty acid analysis

Please choose only one answer:

- can be used to identify Gram-negative bacteria.
- can be used to identify Gram-positive bacteria.
- uses gas chromatography to analyze fatty acid methyl esters.
- requires that cells be grown under standardized conditions.
- All of the above

Check the answer of this question online at QuizOver.com:

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#### 4.1.16. Media that changes color as a result of the biochemical activity of...

Author: Madison Christian

Media that changes color as a result of the biochemical activity of growing bacteria

Please choose only one answer:

- usually contain a pH indicator in the media.
- usually contain blood.
- usually require the addition of various reagents before the color is evident.
- is due to a breakdown of a colorless reagent.

Check the answer of this question online at QuizOver.com:

Question: [Media that changes color as a result of Madison Christian Micro Quest](#)

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4.1.17. In E. coli O157:H7, the O157:H7 refers to the

Author: Madison Christian

In E. coli O157:H7, the O157:H7 refers to the

Please choose only one answer:

- specific type of DNA present.
- specific genus.
- general family.
- the specific LPS and flagella type present.

Check the answer of this question online at QuizOver.com:

Question: [In E. coli O157:H7 the O157:H7 refers to Madison Christian Micro](#)

Flashcards:

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#### 4.1.18. Members of the family Enterobacteriaceae

Author: Madison Christian

##### Members of the family Enterobacteriaceae

Please choose only one answer:

- include E. coli, Enterobacter, Salmonella, and Shigella.
- include many medically relevant bacteria.
- primarily reside in the intestinal tract of humans and animals.
- are facultative anaerobes.
- All of the choices are correct.

Check the answer of this question online at QuizOver.com:

Question: [Members of the family Enterobacteriaceae Madison Christian Micro](#)

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#### 4.1.19. Which of the following colonize the vagina during childbearing years?

Author: Madison Christian

Which of the following colonize the vagina during childbearing years?

Please choose only one answer:

- Streptococci
- Clostridium
- Lactobacilli
- Enterobacter
- Clostridium AND Lactobacilli

Check the answer of this question online at QuizOver.com:

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## 4.1.20. Endospores

Author: Madison Christian

### Endospores

Please choose only one answer:

- are a form of reproduction
- are a dormant form of a bacterium.
- are formed by members of medically relevant groups of bacteria.
- are involved in anaerobic respiration.
- are a dormant form of a bacterium AND are formed by members of medically relevant groups of bacteria.

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## 4.1.21. Rhizobium

Author: Madison Christian

### Rhizobium

Please choose only one answer:

- fix nitrogen inside nodules on the roots of legumes.
- resemble fungi.
- produce antibiotics.
- produce a gall in plants.

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## 4.1.22. Helicobacter pylori

Author: Madison Christian

Helicobacter pylori

Please choose only one answer:

- inhabit the stomach.
- inhabit squid ink sacs.
- cause crown gall in plants.
- have axonemes

Check the answer of this question online at QuizOver.com:

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#### 4.1.23. Sulfuric acid is

Author: Madison Christian

Sulfuric acid is

Please choose only one answer:

- involved in bioleaching.
- produced by unicellular sulfur-oxidizers.
- produced by Lactobacillus.
- a result of reduction of metal sulfides.
- involved in bioleaching AND produced by unicellular sulfur-oxidizers.

Check the answer of this question online at [QuizOver.com](http://www.quizover.com):

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#### 4.1.24. Sphaerotilus and Leptothrix are examples of

Author: Madison Christian

Sphaerotilus and Leptothrix are examples of

Please choose only one answer:

- purple sulfur bacteria.
- Enterobacteriaceae.
- sheathed bacteria.
- green nonsulfur bacteria.

Check the answer of this question online at QuizOver.com:

Question: [Sphaerotilus and Leptothrix are examples Madison Christian Micro](#)

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#### 4.1.25. Relatively little is known about many obligate anaerobes. Why might...

Author: Madison Christian

Relatively little is known about many obligate anaerobes. Why might this be so?

Please choose only one answer:

- The obligate aerobes are far more numerous, and also far more interesting.
- It's much harder to provide the right atmospheric environment to cultivate obligate anaerobes, so it's been harder to study them.
- Only obligate aerobes cause disease, so we've had little reason to study obligate anaerobes.
- The majority of obligate anaerobes are very nutritionally fastidious, which has slowed their study.

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## 4.1.26. Azotobacter

Author: Madison Christian

### Azotobacter

Please choose only one answer:

- forms endospores.
- forms cysts.
- fixes carbon dioxide.
- are used as an indicator of fecal pollution.

Check the answer of this question online at QuizOver.com:

Question: [Azotobacter Madison Christian Micro Final Practice 2 - Ken Quest](#)

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4.1.27. Which of the following organisms is the causative agent of Hansen's...

Author: Madison Christian

Which of the following organisms is the causative agent of Hansen's disease (leprosy)?

Please choose only one answer:

- Pseudomonas aeruginosa
- Mycobacterium avium
- Mycobacterium leprae
- Mycobacterium smegmatis

Check the answer of this question online at QuizOver.com:

Question: [Which of the following organisms is the Madison Christian Micro Quest](#)

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#### 4.1.28. Bacteria that may form endospores include

Author: Madison Christian

Bacteria that may form endospores include

Please choose only one answer:

- coli.
- Pseudomonas and Micrococcus.
- Clostridium and Bacillus.
- Enterococcus and Deinococcus.

Check the answer of this question online at QuizOver.com:

Question: [Bacteria that may form endospores include Madison Christian Micro](#)

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#### 4.1.29. A student complains that it makes no sense to worry about coliform ...

Author: Madison Christian

A student complains that it makes no sense to worry about coliform bacteria in water, since we naturally possess harmless coliforms in our intestines anyway. Why do regulatory agencies worry about coliform bacteria in water supplies, then?

Please choose only one answer:

- The coliforms in our intestines can sometimes turn harmful, causing intestinal infections. We need to constantly be on guard against this happening. Coliforms in water might add to this potential problem.
- Coliforms are indicator organisms. Their presence in water indicates fecal pollution, and therefore the possibility that fecal-borne pathogens are present.
- Regulatory agencies are worried that multiple types of coliforms in water might lead to greater antibiotic resistance in the bacterial populations. They try to keep them out of water to keep antibiotic resistance levels down.
- Regulatory agencies simply need something to do to justify their existence. There is no real danger from coliforms in water supplies.

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Question: [A student complains that it makes no sense Madison Micro Final Quest](#)

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#### 4.1.30. The purple sulfur and green sulfur bacteria

Author: Madison Christian

The purple sulfur and green sulfur bacteria

Please choose only one answer:

- both use hydrogen sulfide as a source of electrons.
- generate oxygen.
- preferentially use organic molecules as an electron source.
- both lack gas vesicles.

Check the answer of this question online at QuizOver.com:

Question: [The purple sulfur and green sulfur bacteria Madison Micro Final Quest](#)

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## 4.1.31. Mycoplasma

Author: Madison Christian

### Mycoplasma

Please choose only one answer:

- lack peptidoglycan.
- are the smallest free-living organisms.
- have sterols in their membranes
- are killed by penicillin.
- lack peptidoglycan, are the smallest free-living organisms AND have sterols in their membranes.

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#### 4.1.32. Comparatively greater energy is released when

Author: Madison Christian

Comparatively greater energy is released when

Please choose only one answer:

- carbon dioxide is the final electron acceptor.
- hydrogen is the final electron acceptor.
- nitrate is the final electron acceptor.
- oxygen is the final electron acceptor.

Check the answer of this question online at QuizOver.com:

Question: [Comparatively greater energy is released Madison Christian Micro](#)

Flashcards:

<http://www.quizover.com/flashcards/question-comparatively-greater-energy-is-released-madison-christian-mi?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-comparatively-greater-energy-is-released-madison-christian-mi?pdf=1505>

#### 4.1.33. Members of the Archaea typically thrive in conditions of excessive

Author: Madison Christian

Members of the Archaea typically thrive in conditions of excessive

Please choose only one answer:

- heat.
- acidity.
- alkalinity.
- salinity.
- All of the choices are correct.

Check the answer of this question online at QuizOver.com:

Question: [Members of the Archaea typically thrive Madison Christian Micro Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-members-of-the-archaea-typically-thrive-madison-christian-mic?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-members-of-the-archaea-typically-thrive-madison-christian-mic?pdf=1505>

#### 4.1.34. Members of the Archaea typically thrive in conditions of excessive

Author: Madison Christian

Members of the Archaea typically thrive in conditions of excessive

Please choose only one answer:

- heat.
- acidity.
- alkalinity.
- salinity.
- All of the choices are correct.

Check the answer of this question online at QuizOver.com:

Question: [Members of the Archaea typically thrive Madison Christian Micro Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-members-of-the-archaea-typically-thrive-madison-chris-8872152?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-members-of-the-archaea-typically-thrive-madison-chris-8872152?pdf=1505>

4.1.35. It has been estimated that 99% of the intestinal bacteria are

Author: Madison Christian

It has been estimated that 99% of the intestinal bacteria are

Please choose only one answer:

- facultative anaerobes.
- obligate aerobes.
- facultative aerobes.
- obligate anaerobes.

Check the answer of this question online at QuizOver.com:

Question: [It has been estimated that 99 of the Madison Christian Micro Final](#)

Flashcards:

<http://www.quizover.com/flashcards/question-it-has-been-estimated-that-99-of-the-madison-christian-micro?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-it-has-been-estimated-that-99-of-the-madison-christian-micro?pdf=1505>



#### 4.1.36. The methanogens

Author: Madison Christian

#### The methanogens

Please choose only one answer:

- are part of the Archaea.
- oxidize hydrogen gas to produce methane.
- appear only in aerobic environments.
- use oxygen as a terminal electron acceptor.
- are part of the Archaea AND oxidize hydrogen gas to produce methane.

Check the answer of this question online at QuizOver.com:

Question: [The methanogens Madison Christian Micro Final Practice 2 - Ken Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-the-methanogens-madison-christian-micro-final-practice-2-ken?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-the-methanogens-madison-christian-micro-final-practice-2-ken?pdf=1505>

#### 4.1.37. Streptococcus pyogenes

Author: Madison Christian

Streptococcus pyogenes

Please choose only one answer:

- is alpha-hemolytic.
- is gamma-hemolytic.
- is beta-hemolytic.
- may form endospores.
- is alpha-hemolytic AND may form endospores.

Check the answer of this question online at QuizOver.com:

Question: [Streptococcus pyogenes Madison Christian Micro Final Practice 2 -](#)

Flashcards:

<http://www.quizover.com/flashcards/question-streptococcus-pyogenes-madison-christian-micro-final-practice?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-streptococcus-pyogenes-madison-christian-micro-final-practice?pdf=1505>

4.1.38. Archaea are typically found living in extreme environments. An exce...

Author: Madison Christian

Archaea are typically found living in extreme environments. An exception to this are the

Please choose only one answer:

- sulfur-oxidizing archaea.
- sulfur-reducing archaea.
- methanogens.
- sulfur-oxidizing archaea AND sulfur-reducing archaea.

Check the answer of this question online at QuizOver.com:

Question: [Archaea are typically found living in Madison Christian Micro Final](#)

Flashcards:

<http://www.quizover.com/flashcards/question-archaea-are-typically-found-living-in-madison-christi-9089856?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-archaea-are-typically-found-living-in-madison-christi-9089856?pdf=1505>

#### 4.1.39. How do anoxygenic phototrophs benefit from possessing accessory pig...

Author: Madison Christian

How do anoxygenic phototrophs benefit from possessing accessory pigments that allow light to be harvested at deeper areas of a fluid environment?

Please choose only one answer:

- This allows even anaerobic microbes to conduct photosynthesis, as they can harvest light energy in the deeper areas where oxygen won't be present.
- The cells can utilize frequencies of light not typically utilized by the photosynthetic bacteria closer to the surface of the fluid.
- They don't have to compete with other cells that utilize oxygen in the upper levels for the scarce nutrients in the fluid environment.
- This allows even anaerobic microbes to conduct photosynthesis, as they can harvest light energy in the deeper areas where oxygen won't be present AND the cells can utilize frequencies of light not typically utilized by the photosynthetic bacteria closer to the surface of the fluid.
- This allows even anaerobic microbes to conduct photosynthesis, as they can harvest light energy in the deeper areas where oxygen won't be present AND they don't have to compete with other cells that utilize oxygen in the upper levels for the scarce nutrients in the fluid environment.

Check the answer of this question online at QuizOver.com:

Question: [How do anoxygenic phototrophs benefit from Madison Micro Final Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-how-do-anoxygenic-phototrophs-benefit-from-madison-micro-fina?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-how-do-anoxygenic-phototrophs-benefit-from-madison-micro-fina?pdf=1505>

#### 4.1.40. Approximately 99% of the microbes in the intestines are obligate an...

Author: Madison Christian

Approximately 99% of the microbes in the intestines are obligate anaerobes. We have plenty of blood vessels that can bring oxygen to the tissues of the intestines. Why would there be obligate anaerobes within these areas?

Please choose only one answer:

- The bacteria in the intestines are protected from exposure to the oxygen in the tissues by the lining of the intestines.
- The bacteria consume all the oxygen in the tissue areas brought by the blood vessels, creating an anaerobic environment.
- While the blood vessels supply oxygen to the tissues of the intestines, the inner area where the bacteria reside is NOT supplied with blood/oxygen. Since it's deep within our bodies, there's no chance for oxygen to get into these inner areas of the intestinal tube, creating a highly anaerobic environment.
- The aerobic microbes are outcompeted for nutrients in these areas by the anaerobic microbes.

Check the answer of this question online at QuizOver.com:

Question: [Approximately 99 of the microbes in the Madison Christian Micro Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-approximately-99-of-the-microbes-in-the-madison-christian-mic?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-approximately-99-of-the-microbes-in-the-madison-christian-mic?pdf=1505>

#### 4.1.41. Lactic acid bacteria such as Lactococcus

Author: Madison Christian

Lactic acid bacteria such as Lactococcus

Please choose only one answer:

- produce catalase.
- are obligate fermenters.
- require anaerobic environments.
- use oxygen as a final electron acceptor.

Check the answer of this question online at QuizOver.com:

Question: [Lactic acid bacteria such as Lactococcus Madison Christian Micro](#)

Flashcards:

<http://www.quizover.com/flashcards/question-lactic-acid-bacteria-such-as-lactococcus-madison-christian-mi?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-lactic-acid-bacteria-such-as-lactococcus-madison-christian-mi?pdf=1505>

#### 4.1.42. Purple sulfur bacteria and filamentous sulfur-oxidizers both

Author: Madison Christian

Purple sulfur bacteria and filamentous sulfur-oxidizers both

Please choose only one answer:

- accumulate sulfur as intracellular granules.
- fix nitrogen.
- produce oxygen from carbon dioxide.
- use gliding motility.

Check the answer of this question online at QuizOver.com:

Question: [Purple sulfur bacteria and filamentous Madison Christian Micro Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-purple-sulfur-bacteria-and-filamentous-madison-christian-micr?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-purple-sulfur-bacteria-and-filamentous-madison-christian-micr?pdf=1505>

#### 4.1.43. Diatoms are algae whose silicon dioxide-containing shells are usefu...

Author: Madison Christian

Diatoms are algae whose silicon dioxide-containing shells are useful economically as

Please choose only one answer:

- filters.
- fertilizers.
- stabilizers.
- thickeners.

Check the answer of this question online at QuizOver.com:

Question: [Diatoms are algae whose silicon dioxide Madison Christian Micro Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-diatoms-are-algae-whose-silicon-dioxide-madison-christian-mic?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-diatoms-are-algae-whose-silicon-dioxide-madison-christian-mic?pdf=1505>



4.1.44. All fungi have \_\_\_\_\_ in their cell walls.

Author: Madison Christian

All fungi have \_\_\_\_\_ in their cell walls.

Please choose only one answer:

- cellulose
- pectin
- peptidoglycan
- chitin

Check the answer of this question online at QuizOver.com:

Question: [All fungi have in their cell walls. Madison Christian Micro Final](#)

Flashcards:

<http://www.quizover.com/flashcards/question-all-fungi-have-in-their-cell-walls-madison-christian-micro-fi?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-all-fungi-have-in-their-cell-walls-madison-christian-micro-fi?pdf=1505>

#### 4.1.45. Single-celled eukaryotic organisms that lack chlorophyll are called

Author: Madison Christian

Single-celled eukaryotic organisms that lack chlorophyll are called

Please choose only one answer:

- Algae.
- Protozoa.
- Chlorophyta.
- Salmonella.

Check the answer of this question online at QuizOver.com:

Question: [Single-celled eukaryotic organisms that Madison Christian Micro Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-single-celled-eukaryotic-organisms-that-madison-christian-mic?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-single-celled-eukaryotic-organisms-that-madison-christian-mic?pdf=1505>

## 4.1.46. Tapeworms

Author: Madison Christian

### Tapeworms

Please choose only one answer:

- have a complicated digestive system.
- do not have a digestive system.
- may be transmitted by eating undercooked meat.
- have a larval stage known as a cercaria.
- do not have a digestive system AND may be transmitted by eating undercooked meat.

Check the answer of this question online at [QuizOver.com](http://www.quizover.com):

Question: [Tapeworms Madison Christian Micro Final Practice 2 - Ken Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-tapeworms-madison-christian-micro-final-practice-2-ken-quest?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-tapeworms-madison-christian-micro-final-practice-2-ken-quest?pdf=1505>

#### 4.1.47. Fleas

Author: Madison Christian

#### Fleas

Please choose only one answer:

- if ingested, may transmit a tapeworm to children.
- may transmit Yersinia pestis.
- may transmit Lyme disease.
- may transmit a toxin.
- if ingested, may transmit a tapeworm to children AND may transmit Yersinia pestis.

Check the answer of this question online at QuizOver.com:

Question: [Fleas Madison Christian Micro Final Practice 2 - Ken Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-fleas-madison-christian-micro-final-practice-2-ken-quest?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-fleas-madison-christian-micro-final-practice-2-ken-quest?pdf=1505>

#### 4.1.48. Fungi capable of dimorphism grow either as

Author: Madison Christian

Fungi capable of dimorphism grow either as

Please choose only one answer:

- rhizoids or hyphae.
- yeast-like or mycelium.
- germ tubes or buds
- spores or mushrooms.

Check the answer of this question online at QuizOver.com:

Question: [Fungi capable of dimorphism grow either Madison Christian Micro Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-fungi-capable-of-dimorphism-grow-either-madison-christian-mic?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-fungi-capable-of-dimorphism-grow-either-madison-christian-mic?pdf=1505>

#### 4.1.49. Paralytic shellfish poisoning occurs when humans eat shellfish that...

Author: Madison Christian

Paralytic shellfish poisoning occurs when humans eat shellfish that have fed on

Please choose only one answer:

- Gonyaulax spp.
- Salmonella spp.
- Gymnodium spp.
- coli.

Check the answer of this question online at QuizOver.com:

Question: [Paralytic shellfish poisoning occurs when Madison Christian Micro](#)

Flashcards:

<http://www.quizover.com/flashcards/question-paralytic-shellfish-poisoning-occurs-when-madison-christian-m?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-paralytic-shellfish-poisoning-occurs-when-madison-christian-m?pdf=1505>

#### 4.1.50. Are all fungi detrimental (bad) for other organisms?

Author: Madison Christian

Are all fungi detrimental (bad) for other organisms?

Please choose only one answer:

- Yes-think of molds that destroy plant crops, or fungal infections that cause athlete's foot. All fungi are bad for organisms they colonize.
- Yes-fungi feed directly on organic material (oftentimes killing it or feeding on it after the original organism has died). As such, they are always bad for other organisms.
- No-fungi are sometimes good, sometimes bad for other organisms. It really depends on which fungus you're talking about and the relationship it has with the other organism. Some fungi, for example, can form a symbiotic relationship with plant roots that increases their nutrient and water absorption. This is good.
- No-fungi are ALWAYS good when they interact with other organisms. There's never a downside or negative aspect to such interactions. Both sides always benefit from the relationship.

Check the answer of this question online at QuizOver.com:

Question: [Are all fungi detrimental bad for other Madison Christian Micro Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-are-all-fungi-detrimental-bad-for-other-madison-christian-mic?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-are-all-fungi-detrimental-bad-for-other-madison-christian-mic?pdf=1505>

#### 4.1.51. Algae are important environmentally as

Author: Madison Christian

Algae are important environmentally as

Please choose only one answer:

- major producers of carbon dioxide.
- major producers of oxygen.
- local flora.
- local contaminants

Check the answer of this question online at QuizOver.com:

Question: [Algae are important environmentally as Madison Christian Micro Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-algae-are-important-environmentally-as-madison-christian-micr?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-algae-are-important-environmentally-as-madison-christian-micr?pdf=1505>



## 4.1.52. Coccidioidomycosis is

Author: Madison Christian

Coccidioidomycosis is

Please choose only one answer:

- a fungal disease.
- a protozoal disease.
- caused by Coccidioides sp.
- caused by Candida sp.
- a fungal disease AND caused by Coccidioides sp.

Check the answer of this question online at QuizOver.com:

Question: [Coccidioidomycosis is Madison Christian Micro Final Practice 2 -](#)

Flashcards:

<http://www.quizover.com/flashcards/question-coccidioidomycosis-is-madison-christian-micro-final-practice?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-coccidioidomycosis-is-madison-christian-micro-final-practice?pdf=1505>

4.1.53. A tangle of fungal hyphae is generally known as a

Author: Madison Christian

A tangle of fungal hyphae is generally known as a

Please choose only one answer:

- bud.
- mycelium.
- germ tube.
- spore.

Check the answer of this question online at QuizOver.com:

Question: [A tangle of fungal hyphae is generally Madison Christian Micro Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-a-tangle-of-fungal-hyphae-is-generally-madison-christian-micr?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-a-tangle-of-fungal-hyphae-is-generally-madison-christian-micr?pdf=1505>

#### 4.1.54. Mycorrhizae

Author: Madison Christian

#### Mycorrhizae

Please choose only one answer:

- are vital for the survival of lichens.
- are vital for the survival of many plants.
- increase the absorptive ability of roots.
- are used in the production of wine, beer and bread.
- are vital for the survival of many plants AND increase the absorptive ability of roots.

Check the answer of this question online at [QuizOver.com](http://www.quizover.com):

Question: [Mycorrhizae Madison Christian Micro Final Practice 2 - Ken Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-mycorrhizae-madison-christian-micro-final-practice-2-ken-ques?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-mycorrhizae-madison-christian-micro-final-practice-2-ken-ques?pdf=1505>

4.1.55. One of the greatest causes of human deaths through time has been du...

Author: Madison Christian

One of the greatest causes of human deaths through time has been due to

Please choose only one answer:

- Giardia spp.
- Histoplasma spp.
- Trypanosoma spp.
- Plasmodium spp.

Check the answer of this question online at QuizOver.com:

Question: [One of the greatest causes of human deaths Madison Micro Final Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-one-of-the-greatest-causes-of-human-deaths-madison-micro-fina?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-one-of-the-greatest-causes-of-human-deaths-madison-micro-fina?pdf=1505>

## 4.1.56. Schizogony

Author: Madison Christian

### Schizogony

Please choose only one answer:

- means multiple fissions
- is performed by bacteria.
- is performed by protozoa.
- is a form of reproduction.
- means multiple fissions AND is performed by protozoa.

Check the answer of this question online at [QuizOver.com](http://www.quizover.com):

Question: [Schizogony Madison Christian Micro Final Practice 2 - Ken Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-schizogony-madison-christian-micro-final-practice-2-ken-quest?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-schizogony-madison-christian-micro-final-practice-2-ken-quest?pdf=1505>

#### 4.1.57. Deuteromycetes has been further classified using

Author: Madison Christian

Deuteromycetes has been further classified using

Please choose only one answer:

- DNA probes.
- rRNA analysis.
- Southern blotting.
- replica plating.

Check the answer of this question online at QuizOver.com:

Question: [Deuteromycetes has been further classified Madison Micro Final Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-deuteromycetes-has-been-further-classified-madison-micro-fina?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-deuteromycetes-has-been-further-classified-madison-micro-fina?pdf=1505>

#### 4.1.58. The terms yeast, mold, and mushrooms refers to fungal

Author: Madison Christian

The terms yeast, mold, and mushrooms refers to fungal

Please choose only one answer:

- reproduction.
- morphology.
- nutrition.
- parasites

Check the answer of this question online at QuizOver.com:

Question: [The terms yeast mold and mushrooms refers Madison Christian Micro](#)

Flashcards:

<http://www.quizover.com/flashcards/question-the-terms-yeast-mold-and-mushrooms-refers-madison-christian-m?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-the-terms-yeast-mold-and-mushrooms-refers-madison-christian-m?pdf=1505>

## 4.1.59. Convergent evolution

Author: Madison Christian

### Convergent evolution

Please choose only one answer:

- explains the morphological similarity yet major genetic differences found between slime molds and fungi.
- refers to two different organisms that develop similar characteristics in adaptation to similar environments.
- explains the structure of lichens.
- refers to the one organism dividing into two.
- explains the morphological similarity yet major genetic differences found between slime molds and fungi AND refers to two different organisms that develop similar characteristics in adaptation to similar environments.

Check the answer of this question online at QuizOver.com:

Question: [Convergent evolution Madison Christian Micro Final Practice 2 - Ken](#)

Flashcards:

<http://www.quizover.com/flashcards/question-convergent-evolution-madison-christian-micro-final-practice-2-ken?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-convergent-evolution-madison-christian-micro-final-practice-2-ken?pdf=1505>



#### 4.1.60. Fungi are important because of their ability to

Author: Madison Christian

Fungi are important because of their ability to

Please choose only one answer:

- help many plants grow.
- cause disease in plants.
- make certain foods and beverages.
- spoil food.
- All of the above.

Check the answer of this question online at [QuizOver.com](http://www.quizover.com):

Question: [Fungi are important because of their Madison Christian Micro Final](#)

Flashcards:

<http://www.quizover.com/flashcards/question-fungi-are-important-because-of-their-madison-christian-micro?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-fungi-are-important-because-of-their-madison-christian-micro?pdf=1505>

## 4.1.61. Nematodes

Author: Madison Christian

### Nematodes

Please choose only one answer:

- are roundworms.
- are found in the gastrointestinal tract or the blood.
- are carried by bacteria.
- have flat segmented bodies.
- are roundworms AND are found in the gastrointestinal tract or the blood.

Check the answer of this question online at [QuizOver.com](http://www.quizover.com):

Question: [Nematodes Madison Christian Micro Final Practice 2 - Ken Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-nematodes-madison-christian-micro-final-practice-2-ken-quest?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-nematodes-madison-christian-micro-final-practice-2-ken-quest?pdf=1505>

## 4.1.62. Aflatoxins

Author: Madison Christian

### Aflatoxins

Please choose only one answer:

- are produced by Aspergillus.
- are possible carcinogens.
- may be found in peanuts.
- are toxins.
- All of the choices are correct.

Check the answer of this question online at [QuizOver.com](http://www.quizover.com):

Question: [Aflatoxins Madison Christian Micro Final Practice 2 - Ken Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-aflatoxins-madison-christian-micro-final-practice-2-ken-quest?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-aflatoxins-madison-christian-micro-final-practice-2-ken-quest?pdf=1505>

#### 4.1.63. Plant pathology grew in importance as a field of study after it was...

Author: Madison Christian

Plant pathology grew in importance as a field of study after it was shown that the Irish potato blight was caused by

Please choose only one answer:

- bacteria.
- viruses.
- fungi.
- amoeboid protozoa.

Check the answer of this question online at QuizOver.com:

Question: [Plant pathology grew in importance as a Madison Christian Micro Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-plant-pathology-grew-in-importance-as-a-madison-christian-mic?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-plant-pathology-grew-in-importance-as-a-madison-christian-mic?pdf=1505>

#### 4.1.64. Gonyaulax

Author: Madison Christian

#### Gonyaulax

Please choose only one answer:

- produces brevetoxin.
- produces a non-protein neurotoxin.
- infects the nervous system of humans.
- is a dinoflagellate.
- produces a non-protein neurotoxin AND is a dinoflagellate.

Check the answer of this question online at [QuizOver.com](http://www.quizover.com):

Question: [Gonyaulax Madison Christian Micro Final Practice 2 - Ken Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-gonyaulax-madison-christian-micro-final-practice-2-ken-quest?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-gonyaulax-madison-christian-micro-final-practice-2-ken-quest?pdf=1505>

## 4.1.65. Haustoria

Author: Madison Christian

Haustoria

Please choose only one answer:

- are a form of parasitic protozoan.
- refers to the reproductive structure formed by slime molds.
- are specialized hyphae used by parasitic fungi.
- are the reproductive form of protozoans

Check the answer of this question online at QuizOver.com:

Question: [Haustoria Madison Christian Micro Final Practice 2 - Ken Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-haustoria-madison-christian-micro-final-practice-2-ken-quest?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-haustoria-madison-christian-micro-final-practice-2-ken-quest?pdf=1505>

#### 4.1.66. Fungi are classified according to their

Author: Madison Christian

Fungi are classified according to their

Please choose only one answer:

- mode of locomotion
- morphology.
- mode of nutrition.
- method of sexual reproduction.

Check the answer of this question online at QuizOver.com:

Question: [Fungi are classified according to their Madison Christian Micro Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-fungi-are-classified-according-to-their-madison-christian-mic?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-fungi-are-classified-according-to-their-madison-christian-mic?pdf=1505>

#### 4.1.67. Fungi that are important for fermentation of fruits

Author: Madison Christian

Fungi that are important for fermentation of fruits

Please choose only one answer:

- are yeasts.
- are facultative anaerobes.
- grow well at acid pH.
- secrete enzymes that degrade organic molecules.
- All of the choices are correct.

Check the answer of this question online at QuizOver.com:

Question: [Fungi that are important for fermentation Madison Christian Micro](#)

Flashcards:

<http://www.quizover.com/flashcards/question-fungi-that-are-important-for-fermentation-madison-christian-m?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-fungi-that-are-important-for-fermentation-madison-christian-m?pdf=1505>



4.1.68. Interferons, complement, lysozyme, and lactoferrin are all examples of

Author: Madison Christian

Interferons, complement, lysozyme, and lactoferrin are all examples of

Please choose only one answer:

- specific antimicrobial factors.
- immune enzymes.
- nonspecific antimicrobial factors.
- cytokines.

Check the answer of this question online at QuizOver.com:

Question: [Interferons complement lysozyme and Madison Christian Micro Final](#)

Flashcards:

<http://www.quizover.com/flashcards/question-interferons-complement-lysozyme-and-madison-christian-micro-f?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-interferons-complement-lysozyme-and-madison-christian-micro-f?pdf=1505>

## 4.1.69. Iron

Author: Madison Christian

Iron

Please choose only one answer:

- is required by microorganisms.
- binds to lactoferrin.
- is necessary for the functioning of some enzymes.
- All of the choices are correct.

Check the answer of this question online at QuizOver.com:

Question: [I Madison Christian Micro Final Practice 2 - Ken Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-i-madison-christian-micro-final-practice-2-ken-quest?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-i-madison-christian-micro-final-practice-2-ken-quest?pdf=1505>

#### 4.1.70. The complex resulting from complement activity that leads to cell l...

Author: Madison Christian

The complex resulting from complement activity that leads to cell lysis is the

Please choose only one answer:

- prostaglandin complex.
- leukotriene activating complex.
- membrane attack complex.
- histamine complex.

Check the answer of this question online at QuizOver.com:

Question: [The complex resulting from complement Madison Christian Micro Final](#)

Flashcards:

<http://www.quizover.com/flashcards/question-the-complex-resulting-from-complement-madison-christian-micro?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-the-complex-resulting-from-complement-madison-christian-micro?pdf=1505>

#### 4.1.71. The complex resulting from complement activity that leads to cell l...

Author: Madison Christian

The complex resulting from complement activity that leads to cell lysis is the

Please choose only one answer:

- prostaglandin complex.
- leukotriene activating complex.
- membrane attack complex
- histamine complex

Check the answer of this question online at QuizOver.com:

Question: [The complex resulting from complement Madison Christian Micro Final](#)

Flashcards:

<http://www.quizover.com/flashcards/question-the-complex-resulting-from-complement-madison-christi-2905680?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-the-complex-resulting-from-complement-madison-christi-2905680?pdf=1505>

## 4.1.72. Fever

Author: Madison Christian

Fever

Please choose only one answer:

- enhances bacterial growth.
- inhibits bacterial growth
- speeds up the body's reactions.
- triggers complement.
- inhibits bacterial growth AND speeds up the body's reactions.

Check the answer of this question online at [QuizOver.com](http://www.quizover.com):

Question: [Fever Madison Christian Micro Final Practice 2 - Ken Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-fever-madison-christian-micro-final-practice-2-ken-quest?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-fever-madison-christian-micro-final-practice-2-ken-quest?pdf=1505>

#### 4.1.73. Smoking impairs the ciliated cells of the middle portion of the res...

Author: Madison Christian

Smoking impairs the ciliated cells of the middle portion of the respiratory tract. Many analgesic drugs (painkillers) impair peristalsis (the churning motion of the digestive tract). The result of either of these activities leads to an increased risk of infection in their respective areas. Why?

Please choose only one answer:

- The actions of the cells in these areas help to propel pathogens out of the area, serving as a part of the physical barrier system. When they are impaired/slowed, bacteria and other pathogens have an easier time adhering to the tissues in the area and causing an infection.
- Ciliated cells also line the digestive tract, and these cells secrete strong natural antibacterial compounds. When they are impaired, bacteria can more easily infect these areas.
- Chemicals in cigarette smoke and the chemicals in painkillers impair our immune systems, making us generally more predisposed to infections (regardless of the tissue area).
- Chemicals in cigarette smoke and the chemicals in painkillers impair the ability of our immune system cells to move into areas that are infected. As such, they can't perform their job of eliminating microbes as well as they should and infections result more easily.

Check the answer of this question online at QuizOver.com:

Question: [Smoking impairs the ciliated cells of the Madison Christian Micro](#)

Flashcards:

<http://www.quizover.com/flashcards/question-smoking-impairs-the-ciliated-cells-of-the-madison-christian-m?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-smoking-impairs-the-ciliated-cells-of-the-madison-christian-m?pdf=1505>

#### 4.1.74. Pyrogens are

Author: Madison Christian

Pyrogens are

Please choose only one answer:

- fever-inducing substances.
- fever-inhibiting substances.
- phagocytosis-enhancing substances.
- complement activators.

Check the answer of this question online at QuizOver.com:

Question: [Pyrogens are Madison Christian Micro Final Practice 2 - Ken Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-pyrogens-are-madison-christian-micro-final-practice-2-ken-que?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-pyrogens-are-madison-christian-micro-final-practice-2-ken-que?pdf=1505>

#### 4.1.75. The leukocyte that contains histamine is the

Author: Madison Christian

The leukocyte that contains histamine is the

Please choose only one answer:

- lymphocyte.
- monocyte.
- macrophage.
- basophil.

Check the answer of this question online at QuizOver.com:

Question: [The leukocyte that contains histamine is Madison Christian Micro](#)

Flashcards:

<http://www.quizover.com/flashcards/question-the-leukocyte-that-contains-histamine-is-madison-christian-mi?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-the-leukocyte-that-contains-histamine-is-madison-christian-mi?pdf=1505>



#### 4.1.76. Skin and mucous membranes are mostly involved in

Author: Madison Christian

Skin and mucous membranes are mostly involved in

Please choose only one answer:

- adaptive immunity.
- autoimmunity.
- irregular immunity.
- innate immunity.

Check the answer of this question online at QuizOver.com:

Question: [Skin and mucous membranes are mostly Madison Christian Micro Final](#)

Flashcards:

<http://www.quizover.com/flashcards/question-skin-and-mucous-membranes-are-mostly-madison-christian-micro?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-skin-and-mucous-membranes-are-mostly-madison-christian-micro?pdf=1505>

#### 4.1.77. Which is not involved in adaptive immunity?

Author: Madison Christian

Which is not involved in adaptive immunity?

Please choose only one answer:

- antibody
- T cell
- B cell
- tear flow

Check the answer of this question online at QuizOver.com:

Question: [Which is not involved in adaptive immunity Madison Micro Final Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-which-is-not-involved-in-adaptive-immunity-madison-micro-fina?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-which-is-not-involved-in-adaptive-immunity-madison-micro-fina?pdf=1505>

#### 4.1.78. The leukocyte responsible for adaptive immunity is the

Author: Madison Christian

The leukocyte responsible for adaptive immunity is the

Please choose only one answer:

- lymphocyte.
- monocyte.
- eosinophil.
- neutrophil.

Check the answer of this question online at QuizOver.com:

Question: [The leukocyte responsible for adaptive Madison Christian Micro Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-the-leukocyte-responsible-for-adaptive-madison-christian-micr?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-the-leukocyte-responsible-for-adaptive-madison-christian-micr?pdf=1505>

4.1.79. Which of the following cytokines is most antiviral in its action?

Author: Madison Christian

Which of the following cytokines is most antiviral in its action?

Please choose only one answer:

- interleukin-1
- interleukin-2
- interferon
- lysozyme

Check the answer of this question online at QuizOver.com:

Question: [Which of the following cytokines is most Madison Christian Micro](#)

Flashcards:

<http://www.quizover.com/flashcards/question-which-of-the-following-cytokines-is-most-madison-christian-mi?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-which-of-the-following-cytokines-is-most-madison-christian-mi?pdf=1505>

#### 4.1.80. All blood cells originate from the

Author: Madison Christian

All blood cells originate from the

Please choose only one answer:

- erythrocyte.
- leukocytic stem cell.
- eosinophilic stem cell.
- hematopoietic stem cell

Check the answer of this question online at QuizOver.com:

Question: [All blood cells originate from the Madison Christian Micro Final](#)

Flashcards:

<http://www.quizover.com/flashcards/question-all-blood-cells-originate-from-the-madison-christian-micro-fi?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-all-blood-cells-originate-from-the-madison-christian-micro-fi?pdf=1505>

4.1.81. In humans, the stem cells from which all blood cells arise are foun...

Author: Madison Christian

In humans, the stem cells from which all blood cells arise are found in the

Please choose only one answer:

- peripheral circulation.
- lymphatic vessels.
- lymph nodes.
- bone marrow.

Check the answer of this question online at QuizOver.com:

Question: [In humans the stem cells from which all Madison Christian Micro Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-in-humans-the-stem-cells-from-which-all-madison-christian-mic?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-in-humans-the-stem-cells-from-which-all-madison-christian-mic?pdf=1505>

#### 4.1.82. One of the strongest indications of infectious disease is

Author: Madison Christian

One of the strongest indications of infectious disease is

Please choose only one answer:

- a rash.
- pustules
- vesicles.
- fever.

Check the answer of this question online at QuizOver.com:

Question: [One of the strongest indications of Madison Christian Micro Final](#)

Flashcards:

<http://www.quizover.com/flashcards/question-one-of-the-strongest-indications-of-madison-christian-micro-f?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-one-of-the-strongest-indications-of-madison-christian-micro-f?pdf=1505>

4.1.83. The cells primarily involved in all immune responses are the

Author: Madison Christian

The cells primarily involved in all immune responses are the

Please choose only one answer:

- erythrocytes.
- platelets.
- osteocytes.
- leukocytes.

Check the answer of this question online at QuizOver.com:

Question: [The cells primarily involved in all immune Madison Micro Final Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-the-cells-primarily-involved-in-all-immune-madison-micro-fina?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-the-cells-primarily-involved-in-all-immune-madison-micro-fina?pdf=1505>



#### 4.1.84. The four cardinal signs of inflammation are:

Author: Madison Christian

The four cardinal signs of inflammation are:

Please choose only one answer:

- flare, wheals, fever, cough
- rash, pus, heat, rubor
- heat, pain, vesicles, fever
- redness, heat, swelling, pain

Check the answer of this question online at QuizOver.com:

Question: [The four cardinal signs of inflammation Madison Christian Micro Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-the-four-cardinal-signs-of-inflammation-madison-christian-mic?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-the-four-cardinal-signs-of-inflammation-madison-christian-mic?pdf=1505>

4.1.85. Which of the following statements about interferon is incorrect?

Author: Madison Christian

Which of the following statements about interferon is incorrect?

Please choose only one answer:

- It only works on a few specific types of virus
- It makes cells resistant to viral infection.
- It is a species specific molecule.
- It does not directly inactivate viruses.

Check the answer of this question online at QuizOver.com:

Question: [Which of the following statements about Madison Christian Micro Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-which-of-the-following-statements-about-madison-christian-mic?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-which-of-the-following-statements-about-madison-christian-mic?pdf=1505>

## 4.1.86. Toll-like receptors

Author: Madison Christian

### Toll-like receptors

Please choose only one answer:

- are cytokines.
- each recognize a specific "danger" molecule.
- transmit a message to the cell's nucleus.
- are part of adaptive immunity.
- each recognize a specific "danger" molecule AND transmit a message to the cell's nucleus.

Check the answer of this question online at QuizOver.com:

Question: [Toll-like receptors Madison Christian Micro Final Practice 2 - Ken](#)

Flashcards:

<http://www.quizover.com/flashcards/question-toll-like-receptors-madison-christian-micro-final-practice-2?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-toll-like-receptors-madison-christian-micro-final-practice-2?pdf=1505>

#### 4.1.87. In which organism were phagocytes first reported?

Author: Madison Christian

In which organism were phagocytes first reported?

Please choose only one answer:

- bacteria
- amoeba
- red blood cells
- starfish larvae

Check the answer of this question online at QuizOver.com:

Question: [In which organism were phagocytes first Madison Christian Micro Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-in-which-organism-were-phagocytes-first-madison-christian-mic?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-in-which-organism-were-phagocytes-first-madison-christian-mic?pdf=1505>

#### 4.1.88. Factors that work generically against any foreign substance enterin...

Author: Madison Christian

Factors that work generically against any foreign substance entering the host are described as

Please choose only one answer:

- innate immunity.
- specific immunity.
- irregular immunity.
- immune metabolism.

Check the answer of this question online at QuizOver.com:

Question: [Factors that work generically against any Madison Christian Micro](#)

Flashcards:

<http://www.quizover.com/flashcards/question-factors-that-work-generically-against-any-madison-christian-m?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-factors-that-work-generically-against-any-madison-christian-m?pdf=1505>

4.1.89. Following digestion of a microorganism by phagocytes, the debris is...

Author: Madison Christian

Following digestion of a microorganism by phagocytes, the debris is excreted by

Please choose only one answer:

- ingestion.
- exocytosis.
- extrusion.
- budding.

Check the answer of this question online at QuizOver.com:

Question: [Following digestion of a microorganism by Madison Christian Micro](#)

Flashcards:

<http://www.quizover.com/flashcards/question-following-digestion-of-a-microorganism-by-madison-christian-m?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-following-digestion-of-a-microorganism-by-madison-christian-m?pdf=1505>

#### 4.1.90. The key molecule upon which all complement pathways converge is

Author: Madison Christian

The key molecule upon which all complement pathways converge is

Please choose only one answer:

- C1
- C2
- C3
- C6

Check the answer of this question online at QuizOver.com:

Question: [The key molecule upon which all complement Madison Micro Final Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-the-key-molecule-upon-which-all-complement-madison-micro-fina?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-the-key-molecule-upon-which-all-complement-madison-micro-fina?pdf=1505>

4.1.91. A group of interacting serum proteins that provide a nonspecific de...

Author: Madison Christian

A group of interacting serum proteins that provide a nonspecific defense mechanism is

Please choose only one answer:

- complement.
- interferon.
- glycoprotein.
- lysozyme.

Check the answer of this question online at QuizOver.com:

Question: [A group of interacting serum proteins that Madison Micro Final Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-a-group-of-interacting-serum-proteins-that-madison-micro-fina?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-a-group-of-interacting-serum-proteins-that-madison-micro-fina?pdf=1505>



#### 4.1.92. The low molecular weight protein produced by animal cells in respon...

Author: Madison Christian

The low molecular weight protein produced by animal cells in response to viral infections is

Please choose only one answer:

- complement.
- lysozyme.
- histamine.
- interferon.

Check the answer of this question online at QuizOver.com:

Question: [The low molecular weight protein produced Madison Christian Micro](#)

Flashcards:

<http://www.quizover.com/flashcards/question-the-low-molecular-weight-protein-produced-madison-christian-m?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-the-low-molecular-weight-protein-produced-madison-christian-m?pdf=1505>

#### 4.1.93. The immunoglobulin that is important in hypersensitivity reactions is

Author: Madison Christian

The immunoglobulin that is important in hypersensitivity reactions is

Please choose only one answer:

- IgA.
- IgD.
- IgG.
- IgE.

Check the answer of this question online at QuizOver.com:

Question: [The immunoglobulin that is important in Madison Christian Micro Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-the-immunoglobulin-that-is-important-in-madison-christian-mic?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-the-immunoglobulin-that-is-important-in-madison-christian-mic?pdf=1505>

#### 4.1.94. Generally antigenic molecules usually have a molecular weight great...

Author: Madison Christian

Generally antigenic molecules usually have a molecular weight greater than

Please choose only one answer:

- 10,000 Daltons.
- 100,000 Daltons.
- glucose.
- most polysaccharides.

Check the answer of this question online at QuizOver.com:

Question: [Generally antigenic molecules usually have Madison Micro Final Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-generally-antigenic-molecules-usually-have-madison-micro-fina?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-generally-antigenic-molecules-usually-have-madison-micro-fina?pdf=1505>

#### 4.1.95. In opsonization with IgG, why would it be important that IgG react ...

Author: Madison Christian

In opsonization with IgG, why would it be important that IgG react with the antigen BEFORE a phagocytic cell recognizes the antibody molecule?

Please choose only one answer:

- If the IgG bound to the phagocyte BEFORE opsonization, it would most likely be ingested by the phagocyte before it could bind to a pathogen (it would be 'naked,' so to speak).
- Binding of IgG by phagocytes would block the antigen binding sites on the IgG molecules, preventing them from binding to the microbes.
- Binding of IgG by phagocytes changes their conformation-and by changing their protein conformation, their antigen binding sites are changed and they can no longer recognize their specific antigenic epitopes.
- Binding of antibody by phagocytes results in immediate release of protein-destroying enzymes to the outside of the cell. Since antibodies are proteins, they would be destroyed by these enzymes (and would then be unable to bind to their specific antigenic epitopes).

Check the answer of this question online at QuizOver.com:

Question: [In opsonization with IgG why would it be Madison Christian Micro](#)

Flashcards:

<http://www.quizover.com/flashcards/question-in-opsonization-with-igg-why-would-it-be-madison-christian-mi?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-in-opsonization-with-igg-why-would-it-be-madison-christian-mi?pdf=1505>

4.1.96. It would be useful if antigens were delivered directly to

Author: Madison Christian

It would be useful if antigens were delivered directly to

Please choose only one answer:

- Peyer's patches.
- W Cells.
- M cells.
- red blood cells.
- Peyer's patches AND M cells.

Check the answer of this question online at QuizOver.com:

Question: [It would be useful if antigens were Madison Christian Micro Final](#)

Flashcards:

<http://www.quizover.com/flashcards/question-it-would-be-useful-if-antigens-were-madison-christian-micro-f?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-it-would-be-useful-if-antigens-were-madison-christian-micro-f?pdf=1505>

#### 4.1.97. Ag-Ab binding may result in

Author: Madison Christian

Ag-Ab binding may result in

Please choose only one answer:

- neutralization.
- immobilization.
- agglutination.
- opsonization.
- All of the choices are correct.

Check the answer of this question online at [QuizOver.com](http://www.quizover.com):

Question: [Ag-Ab binding may result in Madison Christian Micro Final Practice](#)

Flashcards:

<http://www.quizover.com/flashcards/question-ag-ab-binding-may-result-in-madison-christian-micro-final-pra?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-ag-ab-binding-may-result-in-madison-christian-micro-final-pra?pdf=1505>

#### 4.1.98. Antigens interact with antibodies at

Author: Madison Christian

Antigens interact with antibodies at

Please choose only one answer:

- the outer end of each arm of the Y.
- the junction of heavy and light chains.
- different regions depending on the class of antibody.
- the bottom stem of the heavy chain of the Y.

Check the answer of this question online at QuizOver.com:

Question: [Antigens interact with antibodies at Madison Christian Micro Final](#)

Flashcards:

<http://www.quizover.com/flashcards/question-antigens-interact-with-antibodies-at-madison-christian-micro?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-antigens-interact-with-antibodies-at-madison-christian-micro?pdf=1505>

## 4.1.99. The Fc region on IgG

Author: Madison Christian

### The Fc region on IgG

Please choose only one answer:

- interacts with complement.
- attaches to receptors on interleukin-1.
- reacts with and coats the antigen.
- contains a variable region.
- interacts with complement AND attaches to receptors on interleukin-1.

Check the answer of this question online at [QuizOver.com](http://www.quizover.com):

Question: [The Fc region on IgG Madison Christian Micro Final Practice 2 - Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-the-fc-region-on-igg-madison-christian-micro-final-practice-2?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-the-fc-region-on-igg-madison-christian-micro-final-practice-2?pdf=1505>



#### 4.1.100. Why would a person who has their tonsils removed be more susceptibl...

Author: Madison Christian

Why would a person who has their tonsils removed be more susceptible to certain types of infections of the throat and respiratory tract?

Please choose only one answer:

- Tonsils produce high levels of lactoferrin, a strong natural antibacterial compound.
- Tonsils produce large amounts of interferons, natural antiviral compounds.
- Tonsils are secondary lymphoid organs-they help to provide a constant response to the microbes in the oral cavity, helping to keep them in check and preventing them from spreading to other areas.
- Tonsils are the location where T cells develop and mature. Without them, a person won't have T cells, and will be more likely to suffer from infections that would normally be eliminated by such cells.

Check the answer of this question online at QuizOver.com:

Question: [Why would a person who has their tonsils Madison Christian Micro](#)

Flashcards:

<http://www.quizover.com/flashcards/question-why-would-a-person-who-has-their-tonsils-madison-christian-mi?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-why-would-a-person-who-has-their-tonsils-madison-christian-mi?pdf=1505>

#### 4.1.101. Would a denatured antigen be expected to have the same epitopes as ...

Author: Madison Christian

Would a denatured antigen be expected to have the same epitopes as its native (non-denatured) counterpart? Why?

Please choose only one answer:

- Yes-epitopes are just a sequence of amino acids in a row, so they do not change regardless of 3D shape of the protein molecule they lie within.
- No-ALL epitopes are dependent on being in the proper original 3D conformation in the protein they arise within. Denaturing them would destroy them by destroying that conformation.
- Yes AND No-SOME epitopes are dependent on 3D conformation (conformational epitopes), while some simply depend on the primary order of amino acids (linear epitopes). So, really, it depends on the particular epitope.
- Yes-all proteins must be broken down into individual epitopes for presentation to B and T cells on MHC molecules, so each antigen protein MUST be denatured to yield ANY epitopes.

Check the answer of this question online at QuizOver.com:

Question: [Would a denatured antigen be expected to Madison Christian Micro](#)

Flashcards:

<http://www.quizover.com/flashcards/question-would-a-denatured-antigen-be-expected-to-madison-christian-mi?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-would-a-denatured-antigen-be-expected-to-madison-christian-mi?pdf=1505>

#### 4.1.102. The peptides presented by MHC class II peptide molecules are

Author: Madison Christian

The peptides presented by MHC class II peptide molecules are

Please choose only one answer:

- from plasma cells.
- exogenous antigens.
- endogenous antigens.
- from T helper cells.

Check the answer of this question online at QuizOver.com:

Question: [The peptides presented by MHC class II Madison Christian Micro Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-the-peptides-presented-by-mhc-class-ii-madison-christian-micr?pdf=1505>

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