

Natural Biology

Microbiology

Final 4

Microbiology #4

Author: Madison Christian

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4. Chapter: Microbiology Final 4

1. Microbiology Final 4 Questions

4.1.1. Which of the following is recommended by the Standard Precautions g...

Author: Madison Christian

Which of the following is recommended by the Standard Precautions guidelines?

Please choose only one answer:

- glove use
- hand washing
- a face shield
- antibiotic use
- glove use, hand washing AND a face shield

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

Question: [Which of the following is recommended by Madison Christian Micro](#)

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

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4.1.2. Approximately what percentage of hospitalized patients may develop ...

Author: Madison Christian

Approximately what percentage of hospitalized patients may develop a nosocomial infection?

Please choose only one answer:

- 0%
- 5%
- 20%
- 70%

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

Question: [Approximately what percentage of hospitalized Madison Micro final](#)

Flashcards:

<http://www.quizover.com/flashcards/question-approximately-what-percentage-of-hospitalized-madison-micro-f?pdf=1505>

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4.1.3. Which of the following is not a mechanical vector?

Author: Madison Christian

Which of the following is not a mechanical vector?

Please choose only one answer:

- fomite
- human
- fly
- flea
- fomite AND human

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

Question: [Which of the following is not a mechanical Madison Micro final 4](#)

Flashcards:

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4.1.4. Diseases that primarily exist in animals, but may be transmitted to...

Author: Madison Christian

Diseases that primarily exist in animals, but may be transmitted to humans are called

Please choose only one answer:

- parasitic.
- symbiotic.
- zoonotic.
- epidemic.

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

Question: [Diseases that primarily exist in animals Madison Christian Micro](#)

Flashcards:

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4.1.5. The reservoir of infection for botulism and tetanus is

Author: Madison Christian

The reservoir of infection for botulism and tetanus is

Please choose only one answer:

- humans.
- soil.
- water.
- animals.
- soil AND water.

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

Question: [The reservoir of infection for botulism Madison Christian Micro Quest](#)

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4.1.6. An infection acquired during hospitalization is referred to as

Author: Madison Christian

An infection acquired during hospitalization is referred to as

Please choose only one answer:

- antibiotic-induced.
- therapeutic.
- medication-stimulated.
- nosocomial.

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

Question: [An infection acquired during hospitalization Madison Micro final](#)

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4.1.7. Large respiratory droplets typically travel no farther from point o...

Author: Madison Christian

Large respiratory droplets typically travel no farther from point of release than

Please choose only one answer:

- 3 meters.
- 5 meters.
- 1 meter.
- 20 meters.

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

Question: [Large respiratory droplets typically travel Madison Micro final 4](#)

Flashcards:

<http://www.quizover.com/flashcards/question-large-respiratory-droplets-typically-travel-madison-micro-fin?pdf=1505>

Interactive Question:

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4.1.8. Vertical transmission involves

Author: Madison Christian

Vertical transmission involves

Please choose only one answer:

- droplet transmission.
- fomites.
- pasteurization.
- pregnant woman to fetus.

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

Question: [Vertical transmission involves Madison Christian Micro final 4 Quest](#)

Flashcards:

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4.1.9. The World Health Organization (WHO) is part of the

Author: Madison Christian

The World Health Organization (WHO) is part of the

Please choose only one answer:

- Food and Drug Administration.
- Department of Health and Human Services.
- Department of Human Resources.
- United Nations.
- North Atlantic Treaty Organization (NATO).

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

Question: [The World Health Organization WHO is part Madison Christian Micro](#)

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4.1.10. Because of the natural evolution of microorganisms, it is necessary...

Author: Madison Christian

Because of the natural evolution of microorganisms, it is necessary to use techniques that allow distinguishing them at the level of

Please choose only one answer:

- species.
- genera.
- family.
- strain.

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

Question: [Because of the natural evolution of Madison Christian Micro final](#)

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4.1.11. Which of the following is called a zoonotic disease?

Author: Madison Christian

Which of the following is called a zoonotic disease?

Please choose only one answer:

- measles
- typhoid
- common cold
- plague

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

Question: [Which of the following is called a zoonotic Madison Micro final 4](#)

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4.1.12. The doctor responsible for introducing the idea of hand washing bef...

Author: Madison Christian

The doctor responsible for introducing the idea of hand washing before attending patients was

Please choose only one answer:

- Klein.
- Semmelweis.
- Koch.
- Pasteur.

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

Question: [The doctor responsible for introducing Madison Christian Micro Quest](#)

Flashcards:

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4.1.13. So far, the only disease that has been globally eradicated is

Author: Madison Christian

So far, the only disease that has been globally eradicated is

Please choose only one answer:

- polio
- smallpox
- measles
- diphtheria

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

Question: [So far the only disease that has been Madison Christian Micro final](#)

Flashcards:

<http://www.quizover.com/flashcards/question-so-far-the-only-disease-that-has-been-madison-christian-micro?pdf=1505>

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4.1.14. Schistosomiasis has increased in areas where

Author: Madison Christian

Schistosomiasis has increased in areas where

Please choose only one answer:

- snails have become a delicacy.
- crayfish are eaten.
- dams have been built.
- swamps have been drained.

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

Question: [Schistosomiasis has increased in areas Madison Christian Micro Quest](#)

Flashcards:

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4.1.15. The target of most antifungal drugs is

Author: Madison Christian

The target of most antifungal drugs is

Please choose only one answer:

- the ribosome.
- nucleus.
- cholesterol.
- ergosterol.
- cholesterol AND ergosterol.

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

Question: [The target of most antifungal drugs is Madison Christian Micro Quest](#)

Flashcards:

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Interactive Question:

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4.1.16. The lowest concentration of a drug that prevents growth of a microo...

Author: Madison Christian

The lowest concentration of a drug that prevents growth of a microorganism is the

Please choose only one answer:

- infectious dose.
- lethal dose.
- effective dose.
- minimum inhibitory concentration.

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

Question: [The lowest concentration of a drug that Madison Christian Micro Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-the-lowest-concentration-of-a-drug-that-madison-christian-mic?pdf=1505>

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4.1.17. Mycolic acids are targeted by isoniazid in the treatment of

Author: Madison Christian

Mycolic acids are targeted by isoniazid in the treatment of

Please choose only one answer:

- S. aureus.
- S. epidermidis.
- M. luteus.
- M. tuberculosis.

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

Question: [Mycolic acids are targeted by isoniazid Madison Christian Micro Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-mycolic-acids-are-targeted-by-isoniazid-madison-christian-mic?pdf=1505>

Interactive Question:

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4.1.18. The most common method of transfer of antimicrobial resistance is t...

Author: Madison Christian

The most common method of transfer of antimicrobial resistance is through the use of

Please choose only one answer:

- viruses.
- R plasmids.
- introns.
- exons.

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

Question: [The most common method of transfer of Madison Christian Micro final](#)

Flashcards:

<http://www.quizover.com/flashcards/question-the-most-common-method-of-transfer-of-madison-christian-micro?pdf=1505>

Interactive Question:

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4.1.19. Drugs that are bacteriostatic

Author: Madison Christian

Drugs that are bacteriostatic

Please choose only one answer:

- kill bacteria.
- promote bacterial growth.
- inactivate bacterial spores.
- inhibit the growth of bacteria.

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

Question: [Drugs that are bacteriostatic Madison Christian Micro final 4 Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-drugs-that-are-bacteriostatic-madison-christian-micro-final-4?pdf=1505>

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4.1.20. Trimethoprim and sulfonamides have a(n)

Author: Madison Christian

Trimethoprim and sulfonamides have a(n)

Please choose only one answer:

- antagonistic effect.
- synergistic effect.
- energetic effect.
- subtractive.

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

Question: [Trimethoprim and sulfonamides have a n Madison Christian Micro Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-trimethoprim-and-sulfonamides-have-a-n-madison-christian-micr?pdf=1505>

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4.1.21. Inhibitors of protein synthesis typically key on

Author: Madison Christian

Inhibitors of protein synthesis typically key on

Please choose only one answer:

- peptidoglycan precursors.
- penicillin-binding proteins.
- ribosomes.
- porin proteins.

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

Question: [Inhibitors of protein synthesis typically Madison Christian Micro](#)

Flashcards:

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4.1.22. Antiviral drugs may target

Author: Madison Christian

Antiviral drugs may target

Please choose only one answer:

- uncoating.
- nucleic acid synthesis.
- viral assembly.
- viral ribosomes.
- uncoating, nucleic acid synthesis AND viral assembly.

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

Question: [Antiviral drugs may target Madison Christian Micro final 4 Quest](#)

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4.1.23. Fluoroquinolones typically target

Author: Madison Christian

Fluoroquinolones typically target

Please choose only one answer:

- ribosomes.
- penicillin-binding proteins.
- peptidoglycan.
- DNA gyrase.

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

Question: [Fluoroquinolones typically target Madison Christian Micro final 4](#)

Flashcards:

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4.1.24. Which of the following groups of microorganisms produces antibiotics?

Author: Madison Christian

Which of the following groups of microorganisms produces antibiotics?

Please choose only one answer:

- Penicillium
- Streptomyces
- Bacillus
- All of the choices are correct.
- Penicillium AND Streptomyces

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

Question: [Which of the following groups of microorganisms Madison Micro final](#)

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4.1.25. One of the earliest researchers to explore the use of chemicals to ...

Author: Madison Christian

One of the earliest researchers to explore the use of chemicals to kill microbial pathogens was

Please choose only one answer:

- Koch.
- Hooke.
- Fleming.
- Ehrlich.

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

Question: [One of the earliest researchers to explore Madison Micro final 4](#)

Flashcards:

<http://www.quizover.com/flashcards/question-one-of-the-earliest-researchers-to-explore-madison-micro-fina?pdf=1505>

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4.1.26. The most effective form of penicillin is

Author: Madison Christian

The most effective form of penicillin is

Please choose only one answer:

- A
- B
- E
- G

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

Question: [The most effective form of penicillin is Madison Christian Micro](#)

Flashcards:

<http://www.quizover.com/flashcards/question-the-most-effective-form-of-penicillin-is-madison-christian-mi?pdf=1505>

Interactive Question:

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4.1.27. Penicillin was discovered by

Author: Madison Christian

Penicillin was discovered by

Please choose only one answer:

- Koch.
- Hooke.
- Fleming.
- Ehrlich.

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

Question: [Penicillin was discovered by Madison Christian Micro final 4 Quest](#)

Flashcards:

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4.1.28. The arsenic compound that proved highly effective in treating syphi...

Author: Madison Christian

The arsenic compound that proved highly effective in treating syphilis was called

Please choose only one answer:

- penicillin.
- sulfa.
- erythromycin.
- Salvarsan.

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

Question: [The arsenic compound that proved highly Madison Christian Micro Quest](#)

Flashcards:

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Interactive Question:

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4.1.29. Sulfonamides work as

Author: Madison Christian

Sulfonamides work as

Please choose only one answer:

- competitive inhibitors.
- noncompetitive inhibitors.
- ribosome-binding molecules.
- feedback inhibitors.

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

Question: [Sulfonamides work as Madison Christian Micro final 4 Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-sulfonamides-work-as-madison-christian-micro-final-4-quest?pdf=1505>

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4.1.30. The antimicrobials produced by some molds and bacteria are generall...

Author: Madison Christian

The antimicrobials produced by some molds and bacteria are generally called

Please choose only one answer:

- insecticides.
- biocides.
- antiseptics.
- antibiotics.

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

Question: [The antimicrobials produced by some molds Madison Christian Micro](#)

Flashcards:

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4.1.31. Antimicrobials that inhibit the growth of microorganisms have the s...

Author: Madison Christian

Antimicrobials that inhibit the growth of microorganisms have the suffix

Please choose only one answer:

- -cidal.
- -static.
- -anti.
- -genic.

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

Question: [Antimicrobials that inhibit the growth of Madison Christian Micro](#)

Flashcards:

<http://www.quizover.com/flashcards/question-antimicrobials-that-inhibit-the-growth-of-madison-christian-m?pdf=1505>

Interactive Question:

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4.1.32. Why would antimicrobials that have toxic side effects be used at al...

Author: Madison Christian

Why would antimicrobials that have toxic side effects be used at all (select the BEST reason)?

Please choose only one answer:

- We want the largest possible number of choices of drugs in case a microbe shows resistance. With more possible weapons (even toxic ones), we have greater ability to eliminate infections.
- Every person is different. What is toxic to one person may not be toxic to another person. To eliminate a useful drug because it's toxic to 1% of people treated is a waste.
- Depending on the location of the infection, we may have no choice but to utilize a drug that has some toxic side effects to the patient.
- They shouldn't be used. We have enough of a selection of drugs that we can always select a drug with no toxicity. Drugs with toxicity are simply leftovers-relics from a time when we didn't have as many drug options.

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

Question: [Why would antimicrobials that have toxic Madison Christian Micro](#)

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4.1.33. A high therapeutic index is

Author: Madison Christian

A high therapeutic index is

Please choose only one answer:

- more toxic to the patient.
- less toxic to the patient.
- has no effect on the patient.
- has no effect on the pathogen.

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

Question: [A high therapeutic index is Madison Christian Micro final 4 Quest](#)

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4.1.34. Explain how using a combination of two antimicrobial drugs helps pr...

Author: Madison Christian

Explain how using a combination of two antimicrobial drugs helps prevent the development of spontaneously resistant mutants.

Please choose only one answer:

- All drugs work synergistically with each other-that is, their combined effects are far greater than either could achieve individually. Two drugs together helps to eliminate microbes, even if they have developed spontaneous mutations that would confer upon them resistance to the drugs.
- It is highly unlikely that the microbe might spontaneously develop 2 specific mutations to resist the effects of a pair of drugs. As such, even if one drug is resisted by the microbe, the 2nd drug will eliminate the mutated microbe, thus preventing the development of spontaneously resistant mutants overall.
- All drugs work antagonistically with each other-that is, their combined effects are far greater than either could achieve individually. Two drugs together helps to eliminate microbes, even if they have developed spontaneous mutations that would confer upon them resistance to the drugs.
- Drugs can also select for mutations that will enhance the activity of another drug. So, each of the paired drugs will help to select for spontaneous mutations that enhance the activity of the other drug in the pair.

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Flashcards:

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Interactive Question:

<http://www.quizover.com/question/question-explain-how-using-a-combination-of-two-madison-christian-micr?pdf=1505>

4.1.35. One of the earliest antimicrobials isolated from a bacterium was

Author: Madison Christian

One of the earliest antimicrobials isolated from a bacterium was

Please choose only one answer:

- penicillin.
- ampicillin.
- Salvarsan.
- streptomycin.

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

Question: [One of the earliest antimicrobials isolated Madison Micro final 4](#)

Flashcards:

<http://www.quizover.com/flashcards/question-one-of-the-earliest-antimicrobials-isolated-madison-micro-fin?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-one-of-the-earliest-antimicrobials-isolated-madison-micro-fin?pdf=1505>

4.1.36. The minimum bactericidal concentration is the lowest concentration ...

Author: Madison Christian

The minimum bactericidal concentration is the lowest concentration of a specific antimicrobial drug that kills _____ of a specific type of bacteria.

Please choose only one answer:

- 10%
- 50%
- 99.9%
- 100%

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

Question: [The minimum bactericidal concentration is Madison Christian Micro](#)

Flashcards:

<http://www.quizover.com/flashcards/question-the-minimum-bactericidal-concentration-is-madison-christian-m?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-the-minimum-bactericidal-concentration-is-madison-christian-m?pdf=1505>

4.1.37. Antibiotics that affect various strains of Gram-positive bacteria a...

Author: Madison Christian

Antibiotics that affect various strains of Gram-positive bacteria and various strains of Gram-negative bacteria are called

Please choose only one answer:

- isolate usable.
- stress-induced.
- narrow-spectrum.
- broad-spectrum.

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

Question: [Antibiotics that affect various strains Madison Christian Micro Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-antibiotics-that-affect-various-strains-madison-christian-mic?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-antibiotics-that-affect-various-strains-madison-christian-mic?pdf=1505>

4.1.38. An antibiotic made by microorganisms and modified by chemists is ca...

Author: Madison Christian

An antibiotic made by microorganisms and modified by chemists is called

Please choose only one answer:

- anti-metabolic.
- catabolic.
- synthetic.
- semi-synthetic.

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

Question: [An antibiotic made by microorganisms and Madison Christian Micro](#)

Flashcards:

<http://www.quizover.com/flashcards/question-an-antibiotic-made-by-microorganisms-and-madison-christian-mi?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-an-antibiotic-made-by-microorganisms-and-madison-christian-mi?pdf=1505>

4.1.39. The major class(es) of antibiotics that inhibit protein synthesis i...

Author: Madison Christian

The major class(es) of antibiotics that inhibit protein synthesis is/are

Please choose only one answer:

- aminoglycosides.
- tetracyclines.
- macrolides.
- bacitracins.
- aminoglycosides, tetracyclines AND macrolides.

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

Question: [The major class es of antibiotics that Madison Christian Micro Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-the-major-class-es-of-antibiotics-that-madison-christian-micr?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-the-major-class-es-of-antibiotics-that-madison-christian-micr?pdf=1505>

4.1.40. The major class(es) of antibiotics that inhibit protein synthesis i...

Author: Madison Christian

The major class(es) of antibiotics that inhibit protein synthesis is/are

Please choose only one answer:

- aminoglycosides.
- tetracyclines.
- macrolides.
- bacitracins.
- aminoglycosides, tetracyclines AND macrolides.

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

Question: [The major class es of antibiotics that Madison Christian Micro Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/question-the-major-class-es-of-antibiotics-that-madison-christ-5129871?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/question-the-major-class-es-of-antibiotics-that-madison-christ-5129871?pdf=1505>