



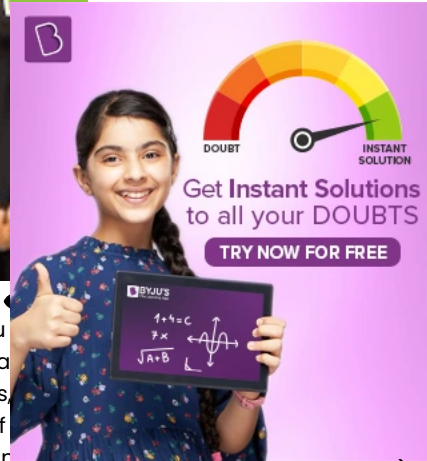
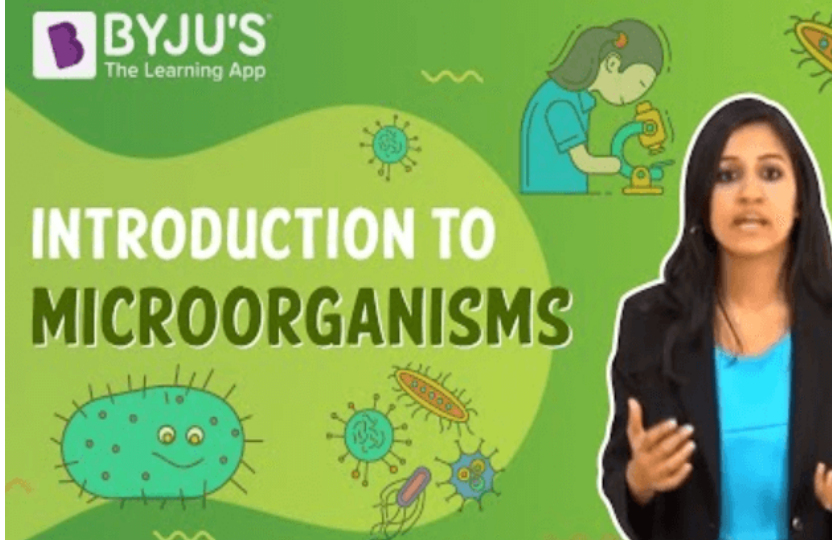
(https://ad-tech.byjusweb.com/revive/bannerid=13&zoneid=10&sig=174267classes-book-a-free-60-minutes-class%2Fregistration%2F%3Futm_source=classes-all-round-tuitions)

com%2Fbyjus-

Useful Microorganisms BOOK A FREE CLASS (https://byjus.com/byjus-classes-book-a-free-60-n

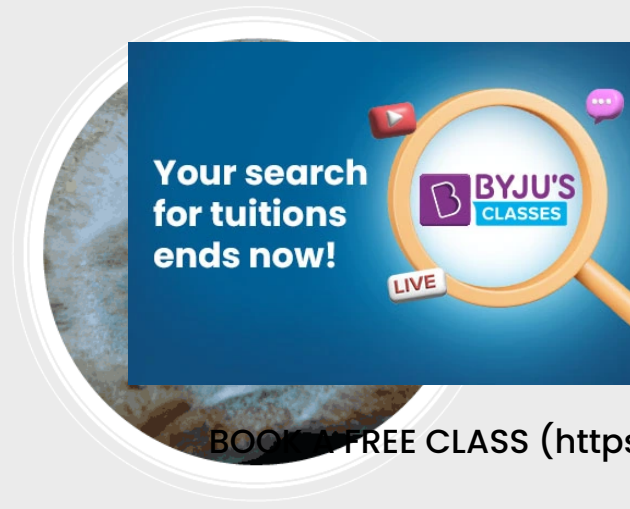


(https://ad-tech.byjusweb.com/revive/www/delivery/cl.php?bannerid=38&zoneid=31&sig=a8f8092161b04779c58490f8f725e259eb7fe9c702ad45c7)



The environment is incomplete without microorganisms. With every breath you there are millions of microscopic organisms that you breathe in. Apart from the human body hosts a plethora of microbes both inside and outside. Besides this are a crucial part of the ecosystem and take part in activities like production of minerals like nitrogen, gases like oxygen, carbon dioxide, taking care of dead and decaying materials etc.

Hi there! Got any questions? I can help you...



A **microorganism**, or **microbe**, is a microscopic organism, which may exist in single-celled form or in a colony of cells

What are Microorganisms?

Microorganisms are small, living creatures which are invisible to our naked eye. Hence, they are also known as microorganisms or microscopic organisms. These organisms can be unicellular or multicellular. Among all microorganisms, some are harmful and disease-causing pathogens, while others include useful microbes, which are more beneficial and harmless to humans.

Also Read: Types of Microbes (<https://byjus.com/biology/microbes/>)

CBSE Sample Papers

- [CBSE Sample Papers Class 8 Science \(https://Byjus.Com/Cbse-Sample-Papers-For-Class-8-Science/\)](https://Byjus.Com/Cbse-Sample-Papers-For-Class-8-Science/)
- [CBSE Sample Papers Class 9 Science \(https://Byjus.Com/Cbse-Sample-Papers-For-Class-9-Science/\)](https://Byjus.Com/Cbse-Sample-Papers-For-Class-9-Science/)
- [CBSE Sample Papers Class 10 Science \(https://Byjus.Com/Cbse-Sample-Papers-For-Class-10-Science/\)](https://Byjus.Com/Cbse-Sample-Papers-For-Class-10-Science/)
- [CBSE Sample Papers Class 11 Physics \(https://Byjus.Com/Cbse-Sample-Papers-For-Class-11-Physics/\)](https://Byjus.Com/Cbse-Sample-Papers-For-Class-11-Physics/)
- [CBSE Sample Papers Class 11 Chemistry \(https://Byjus.Com/Cbse-Sample-Papers-For-Class-11-Chemistry/\)](https://Byjus.Com/Cbse-Sample-Papers-For-Class-11-Chemistry/)
- [CBSE Sample Papers Class 11 Biology \(https://Byjus.Com/Cbse-Sample-Papers-For-Class-11-Biology/\)](https://Byjus.Com/Cbse-Sample-Papers-For-Class-11-Biology/)
- [CBSE Sample Papers Class 12 Physics \(https://Byjus.Com/Cbse-Class-12-Sample-Papers-For-Physics/\)](https://Byjus.Com/Cbse-Class-12-Sample-Papers-For-Physics/)
- [CBSE Sample Papers Class 12 Chemistry \(https://Byjus.Com/Cbse-Class-12-Sample-Papers-For-Chemistry/\)](https://Byjus.Com/Cbse-Class-12-Sample-Papers-For-Chemistry/)
- [CBSE Sample Papers Class 12 Biology \(https://Byjus.Com/Cbse-Sample-Papers-For-Class-12-Biology/\)](https://Byjus.Com/Cbse-Sample-Papers-For-Class-12-Biology/)

CBSE Previous Year Question Papers

- [CBSE Previous Year Question Papers Class 10 Science \(https://Byjus.Com/Cbse-Study-Material/Class-10-Science-Previous-Year-Papers/\)](https://Byjus.Com/Cbse-Study-Material/Class-10-Science-Previous-Year-Papers/)
- [CBSE Previous Year Question Papers Class 12 Physics \(https://Byjus.Com/Cbse-Previous-Year-Question-Papers-Class-12-Physics/\)](https://Byjus.Com/Cbse-Previous-Year-Question-Papers-Class-12-Physics/)

Hi there! Got any questions? I can help you...

Micro-flora

Bacteria are not only present outside the human body, but they also live inside the body too. This aggregate collection of microorganisms that is present in the human body is termed as Microflora.

Bacteria are also present in the soil. They produce certain enzymes. They live in a symbiotic relationship with plants. Some microflora are vitamin K producers. Some bacteria also prevent the invasion of the body.

Also Read: Bacteria (<https://byjus.com/biology/bacteria/>)

Pharmaceutical Industry

Antibiotics go hand in hand with the pharmaceutical industry. They are obtained from a weakened form of an otherwise harmful microorganism (<https://byjus.com/biology/harmful-microorganisms/>). This is then injected into the body and the body learns to fight off the diseases caused by these organisms. Examples of this include mumps and the measles.

Environment

In the environment, microorganisms have two vital roles- one is an enhancement of soil fertility another is cleaning. Azotobacter, Rhizobium, Clostridium are few examples of Nitrogen-fixing bacteria which play a primary role in transforming atmospheric nitrogen into inorganic compounds which are then used by the plants. Without this process, the vast majority of the nitrogen present in the atmosphere becomes unusable.

Microorganisms also act as cleaners. Plants and animals eventually die and their bodies are turned into nutrients which the environment can use.

Also Read: Our environment (<https://byjus.com/biology/our-environment/>)

For more instances of useful microorganisms and other related topics, visit BYJU'S Biology (<https://byjus.com/biology/>).

Frequently Asked Questions

Q1 What are useful microorganisms?

The microorganisms that help in the production of several food items, medicines, manufacturing and research. There are a few useful bacteria present in our body that aid in the digestion process.

Q2 Name a few useful microorganisms.

Following are a few useful microorganisms:

- [ISC Sample Papers Class 11 Chemistry \(https://Byjus.Com/isc-class-11-chemistry-sample-papers/\)](https://Byjus.Com/isc-class-11-chemistry-sample-papers/)
- [ISC Sample Papers Class 11 Biology \(https://Byjus.Com/isc-sample-papers-for-class-11-biology/\)](https://Byjus.Com/isc-sample-papers-for-class-11-biology/)
- [ISC Sample Papers Class 12 Physics \(https://Byjus.Com/isc-sample-papers-for-class-12-physics/\)](https://Byjus.Com/isc-sample-papers-for-class-12-physics/)
- [ISC Sample Papers Class 12 Chemistry \(https://Byjus.Com/isc-class-12-chemistry-sample-papers/\)](https://Byjus.Com/isc-class-12-chemistry-sample-papers/)
- [ISC Sample Papers Class 12 Biology \(https://Byjus.Com/isc-sample-papers-for-class-12-biology/\)](https://Byjus.Com/isc-sample-papers-for-class-12-biology/)



BOOK A FREE CLASS (https://byjus.com/byjus-classes-book-a-free-60-n

ICSE Previous Year Question Papers

- [ICSE Previous Year Question Papers Class 10 Physics \(https://Byjus.Com/icse-class-10-physics-previous-year-question-papers/\)](https://Byjus.Com/icse-class-10-physics-previous-year-question-papers/)
- [ICSE Previous Year Question Papers Class 10 Chemistry \(https://Byjus.Com/icse-class-10-chemistry-previous-year-question-papers/\)](https://Byjus.Com/icse-class-10-chemistry-previous-year-question-papers/)
- [ICSE Previous Year Question Papers Class 10 Maths \(https://Byjus.Com/icse-class-10-biology-previous-year-question-papers/\)](https://Byjus.Com/icse-class-10-biology-previous-year-question-papers/)

ISC Previous Year Question Papers class 12

- [ISC Previous Year Question Papers Class 12 Physics \(https://Byjus.Com/isc-class-12-physics-previous-year-question-papers/\)](https://Byjus.Com/isc-class-12-physics-previous-year-question-papers/)
- [ISC Previous Year Question Papers Class 12 Chemistry \(https://Byjus.Com/isc-class-12-chemistry-previous-year-question-papers/\)](https://Byjus.Com/isc-class-12-chemistry-previous-year-question-papers/)
- [ISC Previous Year Question Papers Class 12 Biology \(https://Byjus.Com/isc-class-12-biology-previous-year-question-papers/\)](https://Byjus.Com/isc-class-12-biology-previous-year-question-papers/)



https://byjus.com/learn/account/login?utm_source=byjus.com&utm_medium=desktop-floater&utm_campaign=learn-signup

Hi there! Got any questions? I can help you...

- Bacteria
- Fungi
- Protozoa

Q3 State a few uses of bacteri

Bacteria are used in brewing
play a key role in nitrogen f
composting processes in a

Q4 How are fungi important to

Fungi play a major role in t
such as mushrooms are ec
production of bread, chees
Antibiotics such as penicillin are obtained from fungi.



Q5 What is the importance of protozoa?

Protozoa are beneficial in mineralizing nutrients and making them available to the plants and other soil organisms. They also feed on bacteria and regulate the bacterial population.

BOOK A FREE CLASS (<https://byjus.com/byjus-classes-book-a-free-60-n>

https://byjus.com/byjus-classes-book-a-free-60-minutes-class/registration/?utm_source=byjus.com&utm_medium=biology-sidebanner&utm_campaign=byjus-classes-right-tuitions)

! Test your Knowledge on Useful Microorganisms

!

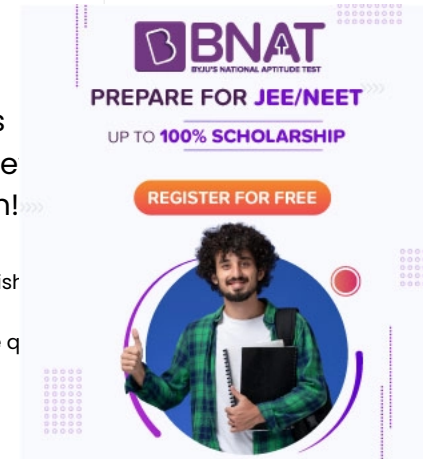


Put your understanding of this concept to test by answering a few MCQs. Click 'Start Quiz' to begin!

Select the correct answer and click on the "Finish" button

Check your score and answers at the end of the q

Start Quiz



(https://byjus.com/bnat/?utm_source=byjus.com&utm_medium=biology-sidebanner&utm_campaign=bnat)

Hi there! Got any questions? I can help you...

BIOLOGY Related Links

What Is An Allele

Forest Conservation

Monocot Stem

Cell Division

Plant Roots

Ozone Layer Definition



Binary Fission Examples
BOOK A FREE CLASS (<https://byjus.com/byjus-classes-book-a-free-60-n>
<https://byjus.com/byjus-classes-book-a-free-60-n>
utm_source=byjus.com&utm_medium=biology-
sidebanner&utm_campaign=aakashbyjus_free_trialclass)

Comments

Leave a Comment

Your Mobile number and Email id will not be published. Required fields are marked *

Mobile Number

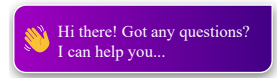
Send OTP

Type your message or doubt here...

Post My Comment

BYJU'S Tuition Centre for Class 4 to 10

- [Class 10 Tuition Centre](https://Byjus.Com/Btc/Class-10-Tuition/)
(<https://Byjus.Com/Btc/Class-10-Tuition/>)
- [Class 9 Tuition Centre](https://Byjus.Com/Btc/Class-9-Tuition/)
(<https://Byjus.Com/Btc/Class-9-Tuition/>)
- [Class 8 Tuition Centre](https://Byjus.Com/Btc/Class-8-Tuition/)
(<https://Byjus.Com/Btc/Class-8-Tuition/>)
- [Class 7 Tuition Centre](https://Byjus.Com/Btc/Class-7-Tuition/)
(<https://Byjus.Com/Btc/Class-7-Tuition/>)
- [Class 6 Tuition Centre](https://Byjus.Com/Btc/Class-6-Tuition/)
(<https://Byjus.Com/Btc/Class-6-Tuition/>)
- [Class 5 Tuition Centre](https://Byjus.Com/Btc/Class-5-Tuition/)
(<https://Byjus.Com/Btc/Class-5-Tuition/>)
- [Class 4 Tuition Centre](https://Byjus.Com/Btc/Class-4-Tuition/)
(<https://Byjus.Com/Btc/Class-4-Tuition/>)



(https://byjus.com/learn/account/login?utm_source=byjus.com&utm_medium=desktop-floater&campaign=learn-signup)
spandana
July 30, 2019 at 10:26 pm

(<https://byjus.com/biology/useful-microorganisms/#comment-16161>)

Name

useful

Reply

(<https://byjus.com/biology/useful-microorganisms/?replytocom=16161#respond>)



Indumukhi

July 3, 2020 at 5:46 pm
(<https://byjus.com/bio>)

Ma'am, in uses of microorgo description given for antibio content.

Reply

(<https://byjus.com/biology/useful-microorganisms/?replytocom=113903#respond>)



nazia

July 7, 2020 at 4:47 pm
(<https://byjus.com/biology/useful-microorganisms/#comment-115851>)



Mobile Number

City

Grade/Exam

Email Address

Submit

BOOK A FREE CLASS (<https://byjus.com/byjus-classes-book-a-free-60-n>)

COURSES

EXAMS

EXAM PREPARATION

COMPANY

FREE TEXTBOOK SOLUTIONS

STATE BOARDS

<p>Antibiotics and vaccines are administered in the body as both possess many similarities. One such differentiating factor is that antibiotics are administered after a person is infected while vaccines in most cases, serve as a preventive measure, administered in advance to the manifestation of infection.</p> <p>Reply (https://byjus.com/biology/useful-microorganisms/?replytocom=115851#respond)</p> <p>Bareena September 19, 2020 at 9:56 pm (https://byjus.com/biology/useful-microorganisms/#comment-164241)</p> <p>Byjus is a useful app Reply (https://byjus.com/biology/useful-microorganisms/?replytocom=11444#respond)</p> <p>Account login?utm_source=byjus.com&utm_medium=desktop-footer&campaign=learn-ignup Reply (https://byjus.com/biology/useful-microorganisms/#comment-164241)</p>	<p>GAT Exam (/cat/exam-info/)</p> <p>CAT 2023 (/cat/cat-2023/)</p> <p>GATE Exam (/gate/gate-exam/)</p> <p>GATE 2024 (/gate/gate-2024/)</p> <p>UPSC Exam (/free-ias-prep/upsc-exam/)</p> <p>UPSC Syllabus (/ias/upsc-syllabus/)</p> <p>UPSC 2023 (/free-ias-prep/upsc-2023/)</p> <p>Bank Exam (/bank-exam/)</p> <p>Government Exams (/govt-)</p>	<p>Free CAT Prep (/free-cat-prep/)</p> <p>Free IAS Prep (/free-ias-prep/)</p> <p>Maths (/maths/)</p> <p>Physics (/physics/)</p> <p>Chemistry (/chemistry/)</p> <p>Biology (/biology/)</p> <p>JEE 2024 (/jee/jee-2024/)</p> <p>JEE Advanced 2023 Question Paper with Answers (/jee/jee-advanced-2023-question-paper/)</p> <p>JEE Main Mock Test (/jee/jee-main-mock-test/)</p> <p>JEE Main 2023 Question Papers with Answers (/jee/jee-main-2023-question-papers/)</p>	<p>About Us (/about-us/)</p> <p>Contact Us (/contact-us/)</p> <p>Contact our Financial Partners (https://byjus.com/our-financial-partners/)</p> <p>Investors (/our-investors/)</p> <p>Careers (/careers-at-byjus/)</p> <p>BYJU'S in Media (/press/)</p> <p>Social Initiative - Education for All (/educationforall/)</p> <p>BYJU'S APP (/byjus-the-learning-app/)</p> <p>FAQ (/faq/)</p> <p>Students Stories - Learning Tree (https://blog.byjus.com/tree-learning-tree/)</p>	<p>(/textbook-solutions/)</p> <p>NCERT Solutions (/ncert-solutions/)</p> <p>NCERT Exemplar (/ncert-exemplar/)</p> <p>NCERT Solutions for Class 6 (/ncert-solutions-class-6/)</p> <p>NCERT Solutions for Class 7 (/ncert-solutions-class-7/)</p> <p>NCERT Solutions for Class 8 (/ncert-solutions-class-8/)</p> <p>NCERT Solutions for Class 9 (/ncert-solutions-class-9/)</p> <p>NCERT Solutions for Class 10 (/ncert-solutions-class-10/)</p> <p>NCERT Solutions for Class 11 (/ncert-solutions-class-11/)</p> <p>NCERT Solutions for Class 11 English (/ncert-solutions-class-11-english/)</p> <p>NCERT Solutions for Class 12 English (/ncert-solutions-class-12-english/)</p>	<p>Maharashtra (/msbshse/)</p> <p>Gujarat (/gseb/)</p> <p>Tamil Nadu (/tn-board/)</p> <p>Karnataka (/kseeb/)</p> <p>Kerala (/kbpe/)</p> <p>Andhra Pradesh (/ap-board/)</p> <p>Telangana (/telangana-board/)</p> <p>Uttar Pradesh (/upmsp/)</p> <p>Bihar (/bihar-board/)</p> <p>Rajasthan (/rajasthan-board/)</p> <p>Madhya Pradesh (/mp-board/)</p> <p>West Bengal (/west-bengal/)</p>
---	---	---	--	---	--



Hi there! Got any questions? I can help you...

Signup

IAS Coaching (/ias-coaching/)

CBSE Sample Papers (/cbse/cbse-sample-papers/)

CBSE Question Papers (/cbse-study-material/cbse-previous-year-question-papers/)

(https://byjus.com/biology/useful-microorganisms/?replytocom=191421#respond)

Riya Bhavsar

October 23, 2020 at 12:50 pm

Wonderful excellent material/cbse-previous-year-question-papers/

Reply

(https://byjus.com/biology/useful-microorganisms/?replytocom=191421#respond)

JEE Main 2022 Question Papers with Answers (/jee/jee-main-2022-question-papers-with-answers/)

CLASSES

Kids Learning (/kids-learning/)

Class 1st - 3rd (/disney-byjus-early-learn/)

Class 4th - 5th (/class-4-5/)

Class 6th - 10th (/class-6-10/)

Class 11th - 12th (/class-11-12/)

BYJU'S Tuition Centre (/btc/)

Support (/customer-care/)

Faces of BYJU'S - Life at BYJU'S (/blog/byjus.com/life-at-byjus/)

#comment-191420



NEET 2022 Answer Key (/neet/neet-2022-answer-key/)

(https://www.kidsafeseal.com/certifiedproducts/byjus_india.html)

BOOK A FREE CLASS (https://byjus.com/byjus-classes-book-a-free-60-n

RESOURCES

CAT College Predictor (/free-cat-prep/cat-college-predictor/)

Worksheets (/worksheets/)

BYJU'S Answer (/question-answer/)

DSSL (/about-dssl/)

Home Tuition (/home-tuition/)

All Products (https://shop.byjus.com)

Calculators (/calculators/)

Formulas (/formulas/)

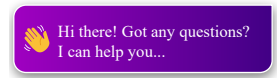
Disclaimer (/disclaimer/)

Privacy Policy (/tnc_app/#privacydesc)

Terms of Services (/tnc_app/#tncdesc)

Sitemap (/sitemap.xml)

© 2023, BYJU'S. All rights reserved.



(https://byjus.com/learn/account/login?utm_source=byjus.com&utm_medium=desktop-floater&campaign=learn-signup)

Signup