Britannica ACADEMIC





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Welcome

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Welcome to Britannica Academic

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Database Resources

Featured Primary Sources

Find letters, speeches, and other primary source materials.

Expand your inquiry with a curated list of top academic research sites.

- Mary Wollstonecraft's Vindication on the Rights of Woman
- Covenant of the League of Nations
- The United Nations' Universal Declaration of Human Rights
- Declaration of Rights for Women
- Truman Doctrine
- Treaty of Westphalia
- Sayings of Confucius

News From BBC News

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- United Airlines grounds planes after engine failure
- More than half of UK employers planning to recruit staff
- Fly-tipping: Licensing system failing to stop dumping, Panorama finds
- · 'They wanted to jail a banker I was that banker'



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Access digital transcripts of Primary Source materials such as letters and speeches.

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Primary Sources

Discover the similarities and

differences between any two countries using Compare

Browse Articles & Media

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Article Browse



Click on **Article Browse** or **Media Browse** from the Homepage to delve into the contents of Britannica Academic by topic and subtopics.

Biography Browse

Britannica ACADEMIC

Biography Browse

ERA

Click to select an era...

NATIONAL/CULTURAL ASSOCIATION

Click to select an association ...

KNOWN FOR

Click to select an activity ...

GENDER

□ male

female

Clear All Filters



Aakjær, Jeppe

(born Sept. 10, 1866, Aakjær, Den.—died April 22, 1930, Jenle), poet and novelist, leading exponent of Danish regional literature and of the literature of social

Aaliyah

American rhythm and blues singer and actress (born Jan. 16, 1979, Brooklyn, N.Y.-died Aug. 25, 2001, Abaco Islands, The Bahamas), , was considered on the verge of



Aalto, Alvar

(born Feb. 3, 1898, Kuortane, Fin., Russian Empire-died May 11, 1976, Helsinki, Fin.), Finnish architect, city planner, and furniture designer whose international reputation



Aaron

(flourished 14th century bce), the traditional founder and head of the Israelite priesthood, who, with his brother Moses, led the Israelites out of Egypt. The figure of Aaron

Aaron ben Elijah

(born 1328/30, Nicomedia, Ottoman Empire [modern İzmit, Turkey]-died 1369), theologian of Constantinople (now Istanbul), the only scholar to seek a philosophical basis for



Aaron, Hank

(born February 5, 1934, Mobile, Alabama, U.S.-died January 22, 2021, Atlanta, Georgia),

Click on **Biographies** to search and browse Britannica's collection of biographies by gender, era, cultural association and field of expertise using Explore Biographies.

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World Atlas



Profile

Official name:	Ellinikí Dhimokratía (Hellenic Republic)
Form of government:	unitary multiparty republic with one legislative house (Hellenic Parliament [300])

Articles

TOP 3 RESULTS. 221 MORE RESULTS IN GREECE.



Socrates (born c. 470 bce, Athens [Greece] —died 399 bce, Athens), ancient Greek philosopher whose way of

life, character, and thought exerted a profound influence on Western...

Aristotle



(born 384 bce, Stagira, Chalcidice, Greece—died 322, Chalcis,

World Atlas is a geographical tool that lets you explore statistics and related content for countries around the world. Use the **Search Box** to research any country or region of interest.

Click on **Summary** to access the country article. Click on **Profile** to find current statistical information. Click on **Related** to locate other recommended Britannica content.

Compare Countries

	Australia			•	Canada			
Official name(s):	Commonwealth of Australi	a		Canada				
Form of government:	federal parliamentary state monarchy) with two legisla Representatives [150])	e (formally a tive houses	a constitutional 5 (Senate [76]; House of	federal mu legislative Commons	ultiparty parliamen houses (Senate [10 [338])	tary state with to 05 ^{1,2}]; House of	NO	
Executive Branch:	(Head of state) British Mon represented by Governor-C (Head of government) Prim	arch: Quee Seneral: Da le Minister:	n Elizabeth II, vid Hurley Scott Morrison	(Head of s Elizabeth I Julie Payet (Head of g Trudeau	tate) Queen of Can I, represented by C te overnment) Prime	ada (British Mor Sovernor-Genera Minister: Justin	narch): al:	
Capital(s):	Canberra			Ottawa				
Language:	none ¹ (off	Com	are Countries					
Religion:	none (o	oomp						
Monetary unit(s):	Australi	STATS	ARTICLES & MEDIA					
Population:	(2019 e:			Australia	9	•	Canada	
Area:	2,968,40 7,688,12		Australia			Car	nada	
Urban-rural population:	Urban: (Rural: (2	Article:	the smallest continent and one lying between the Pacific and In Hemisphere. Australia's capital	of the largest of dian oceans in t is Canberra,	ountries on Earth, the Southern	second largest cou occupying roughly North America. De	ntry in the world in ar the northern two-fifth spite Canada's great s	ea (after Russia), is of the continer ize, it is
Life expectancy at birth:	Male: (2 Female:	Images:			Full Article			Full A
Literacy: percentage of population age 15 and over:	Male: n Female:				140 AU	*		
GNI per capita (U.S.\$):	(2017) 5			and the second	1 des	- 27		
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Discover the similarities and differences between any two countries using the **Compare Countries** tool. Select the **Stats** tab to find current statistical information. The **Articles and Media** tab lets you access the country article as well as related images and videos.

More Videos

More Videos

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Jump to any part of an article by clicking on a sub topic link in the Table of Contents.

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Clicking on any image or video in an article will open it up in an overlay window.

S Translate Article

Click the globe icon to translate the article into over 100 languages.

Media Tools: Images & Videos





Click the star to save to My Research. You can also share media using Email.

Generate Citation



Click to generate a citation for the media.

Media Player Tools



Select to play a video with Closed Captions (CC) or in full screen.

Print or Download \, 🖶



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Article Contributors

Britannica ACADEMIC bacteria

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Table of Contents

Introduction

The bacterial cell

Bacterial reproduction

Ecology of bacteria

Evolution of bacteria

Biosynthesis, nutrition, and growth of bacteria

Classification of bacteria

Additional Reading

(2015); and Lucy Shapiro and Richard Losick (eds.), Cell Biology of Bacteria (2011).

Thomas D. Brock, *The Emergence of Bacterial Genetics* (1990), describes the historical development of bacterial genetics and molecular biology. Additional coverage of the molecular and genetic features of bacteria is found in Larry Snyder et al., *Molecular Genetics of Bacteria*, 4th ed. (2013). Clive Edwards (ed.), *Microbiology of Extreme Environments* (1990); and Charles Gerday and Nicolas Glansdorff (eds.), *Physiology and Biochemistry of Extremophiles* (2007), are detailed explorations of microorganisms that live in extreme environments.

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Bacteria in the human body and their role in human health and disease are discussed in Julian Marchesi (ed.), The Human Microbiota and Microbiome (2014).

Robert J. Kadner

EB Editors

Article Contributors

Robert J. Kadner - Professor of Microbiology, School of Medicine, University of Virginia, Charlottesville. Coauthor of *Essentials of Medical Microbiology*.

Kara Rogers - Kara Rogers is the senior editor of biomedical sciences at Encyclopædia Britannica, where she oversees a range of content from medicine and genetics to microorganisms. She joined Britannica in 2006 and has been a member of the National Association of Science Writers since 2009.

To verify the source, click to see a list of **Article Contributors** and a brief abstract about their accreditations in the subject matter. Scroll to the end of an article to see suggestions for **Additional Reading** and references to help further your research.

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Search Britannica Academic

virus

🖗 Full search

View all results for virus in Articles

You searched for "virus"

DISPLAYING 1 - 10 OF 579 RESULTS.

ARTICLES IMAGES VIDEOS MORE

virus (biology) 🎂

virus | infectious agent of small size and simple composition that can multiply only in living cells of an a ...

Epstein-Barr virus (pathology) 🎂

Epstein-Barr virus (EBV) | virus of the Herpesviridae family that is the major cause of acute infectious n characterized by ...



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Keywords or Phrases

Type keywords or phrases

into the search box, e.g.

"virus" to begin a search.

Use the menu at the top to filter results by content type,

such as Articles, Images,

Journals/Periodicals, Primary

Sources/E-books or Year in

Videos, Dictionary,

Review.

Filter Results

Select from the search results or refine your search using Advanced Search.

infectious disease 🕁

Viruses | Viruses are not, strictly speaking, living organisms. Instead, they are nucleic acid fragments p

computer virus 🕁

computer virus | a portion of a program code that has been designed to furtively copy itself into other created ...

IMAGES RELATED TO THIS SEARCH:







Advanced Search

Britannica AC	ADEMIC				SEARCH Q	Help 💄 My R	esearch 👻
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	With any of these words		Without these words				
	With these words near each other						
		Q Apply Adv	anced Search				
	· j D	\odot	0	B			
	Animation and microphotography illustrating the structural diversity of viruses.	Testing the effectiveness of deploying mosquitoes with a Zika-blocking bacterium	Learn how a benign bacterial virus can be used to improve the performance of	The cycle of infection results in the death of the host cell and the release			
		O	O	RELIGION			
	HIV is the name of the virus that causes AIDS.	See a 3-D simulation of the motion of the human rhinovirus, the virus that	Scientists have developed a unique, easy, and effective method for testing	Learn about Richard Dawkins's objections to religious belief.			

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				SEARCH Q	Help 🚨 My Research	
	Cite ×					
	While every effort has been made to follow citation style rules, there may be some discrepancies. Please refer to the appropriate style manual or other sources if you have any questions.	☆₿	☑ ⑤ ◄>	+ -		
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i	ndependent studies in 1915 by the British investigator Frederick V	V. Twort and in '	"Virus." <i>Britann</i> Britannica, 1 academic.eb 6000. Access	<i>ica Academic</i> , Eng 8 Aug. 2020. .com/levels/colle ed 3 Feb. 2021.	cyclopædia giate/article/virus/10	

Click "Cite" icon in the toolbar to open the Cite popup window. Then select your preferred **standard citation style** from the available list. Highlight and copy the generated citation text. Paste into another document as required.

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- Chicago Manual of Style
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virus	· · · · · ·		. -	/	Sign in to a Personal Accou (Optional)
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ion	Virus, infectious agent of small size and simple compose multiply only in living cells of animals, plants, or bacte		G si	gn in with	Google
	Trom a Latin word meaning "slimy liquid" or "poison." The earliest indications of the biological nature of virus in 1892 by the Russian scientist Dmitry I. Ivanovsky ar	Usernar	ne	or	
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not grow on an artificial medium and were not visible under the light micr

idies in 1915 by the British investigator Frederick W. Twort and in 1917 by

I. d'Hérelle, lesions in cultures of bacteria were discovered and attributed

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My Research

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Dictionary





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