

使用指南

您的大英百科学术版
Britannica Academic入门指南。



Britannica[®]
EDUCATION

来自大英百科

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欢迎

academic.eb.cnpeak.com



欢迎订阅大英百科学术版 Britannica Academic

大英百科学术版为进行全面的跨学科研究提供了所有必要条件。在不同领域的诺贝尔奖获得者，历史学家，专业顾问，教授和其他著名专家的贡献下，大英百科学术版以客观公正的国际化视角和洞察力提供无可比拟的可靠信息。

您可以轻松访问备受赞誉的
《大英百科全书》和韦氏大词典以及许多其他研究工具所提供的大量文章和多媒体。

首页

搜索栏目

在搜索栏目在输入关键词进行搜索。

内容种类

单击可访问不同类型的内容。

最新动态

了解“新增及修改文章”的最新动态。

Britannica[®]ACADEMIC

Advanc

ARTICLES • DICTIONARY • PRIMARY SOURCES • JOURNALS / PERIODI

RESEARCH TOOLS

World Atlas

Search thousands of maps, flags, articles and statistics in this interactive World Atlas.

Cor

A unique p
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ON THIS DAY



First Nobel Prizes

In 1901 the first Nobel Prizes were distributed, marking the fifth anniversary of the death of Swedish industrialist Alfred Bernhard Nobel, who founded the awards through his will.

[Read more](#)

NEW AND UPDATED ARTICLES

VIEW MORE

November 13, 2019:

- Evo Morales
- Nancy Pelosi
- Mitch McConnell
- Judd Apatow
- Lena Dunham
- hymenopteran
- Apocrita

RECOM

Find letters:

- Niccolò
- Truma
- Balfour
- Constit
- Charles
- Coven
- Monro

BRITAN

Britannica
laureates,

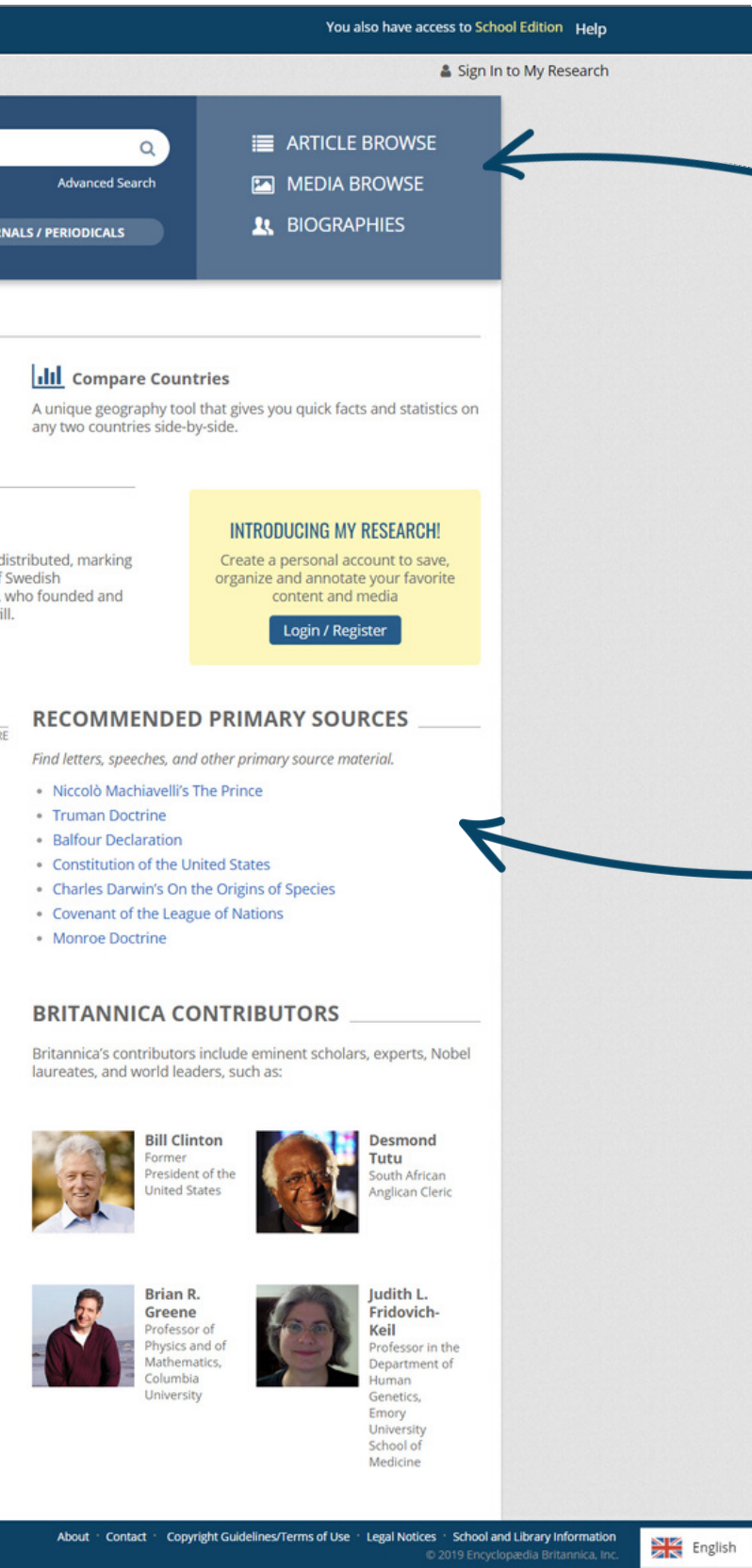




Britannica
Digital Learning

About

首页



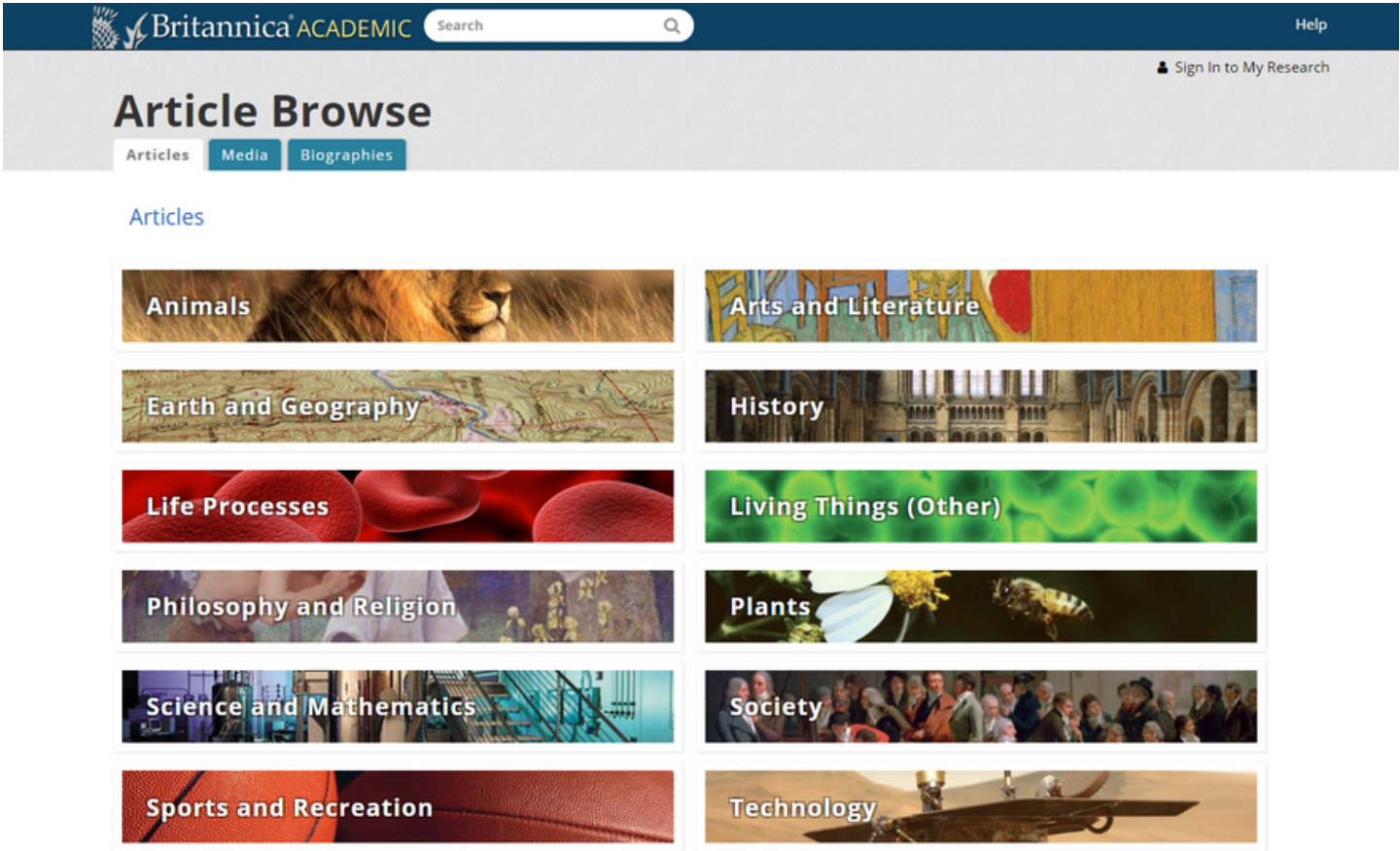
访问内容

使用文章和媒体浏览按类别浏览内容。

原始文献 Primary Sources

通过单击访问推荐的原始文献，包括信件，演讲，历史文档和其他原始材料的数字记录。

浏览文章和媒体



在主页点击文章浏览(Article Browse)或媒体浏览(Media Browse)可让您按主题和子主题深入探索Britannica Academic的内容。

点击“传记” (Biographies) 标签，按性别，时代，国籍及其专业领域搜索和浏览名人传记。 您还可以通过主页上的“传记” (Biographies) 链接进入。

文章页面与阅读工具

文章目录

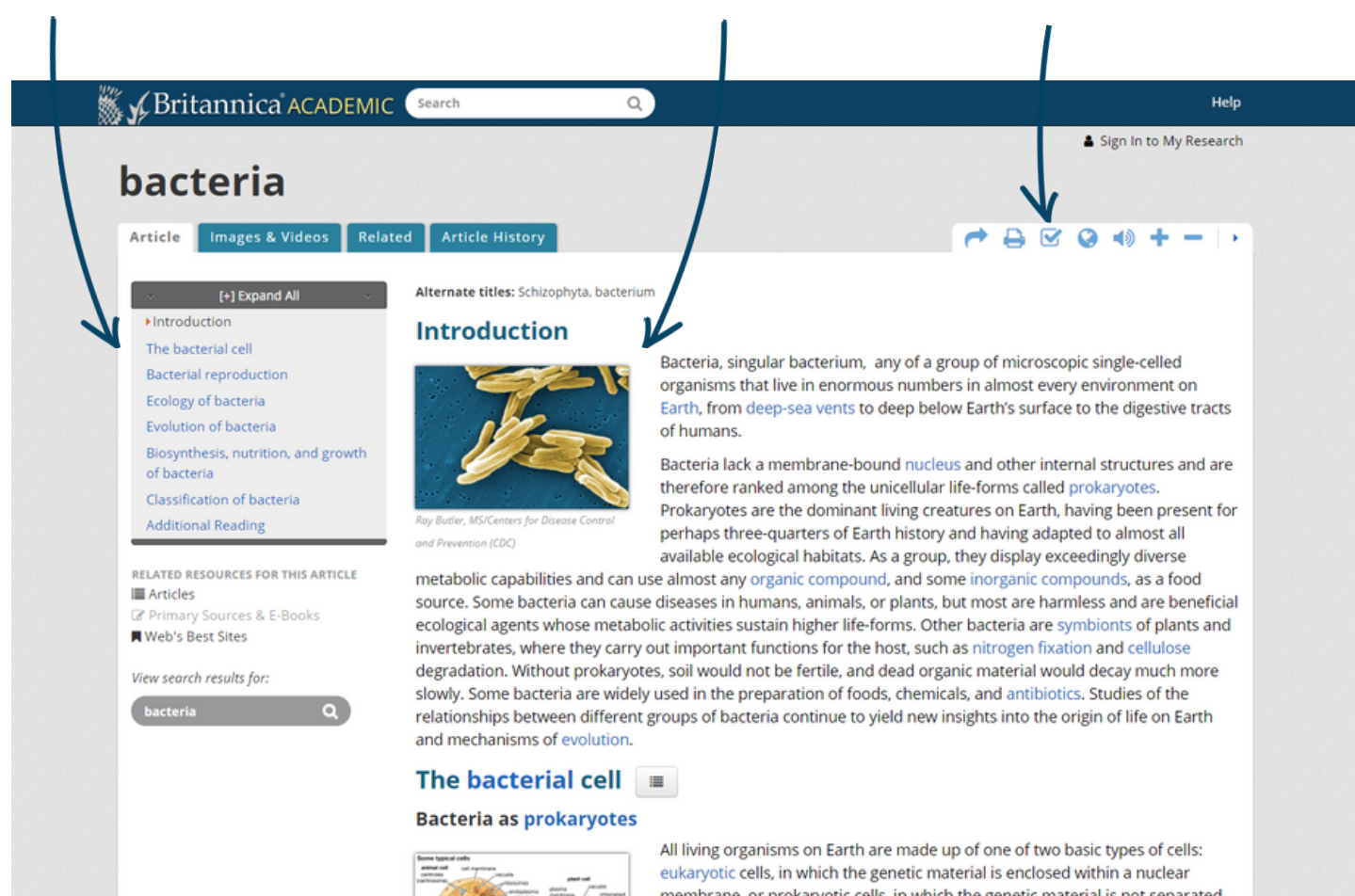
通过单击“目录”中的子主题链接跳转到文章的任何部分。

图像与视频

单击文章中的任何图像或视频将在叠加窗口中打开它。

✓ 生成引文出处 Cite

为文章生成引文。有四种标准格式可选：MLA，APA，哈佛或芝加哥格式手册。



➔ 收藏与分享

点击发送箭头将文章分享至电子邮件。点击星标将资源收藏到My Research账户。

🔊 朗读文章

通过文字转语音工具朗读文章。

🌐 翻译全文

点击页面底部的语言选项可将网页从英语翻译成简体中文。

媒体工具: 图像与视频



收藏与分享

单击星标将媒体保存到My Research，或者通过电子邮件共享图片。

生成引文出处

点击图标为图像或视频生成引文。



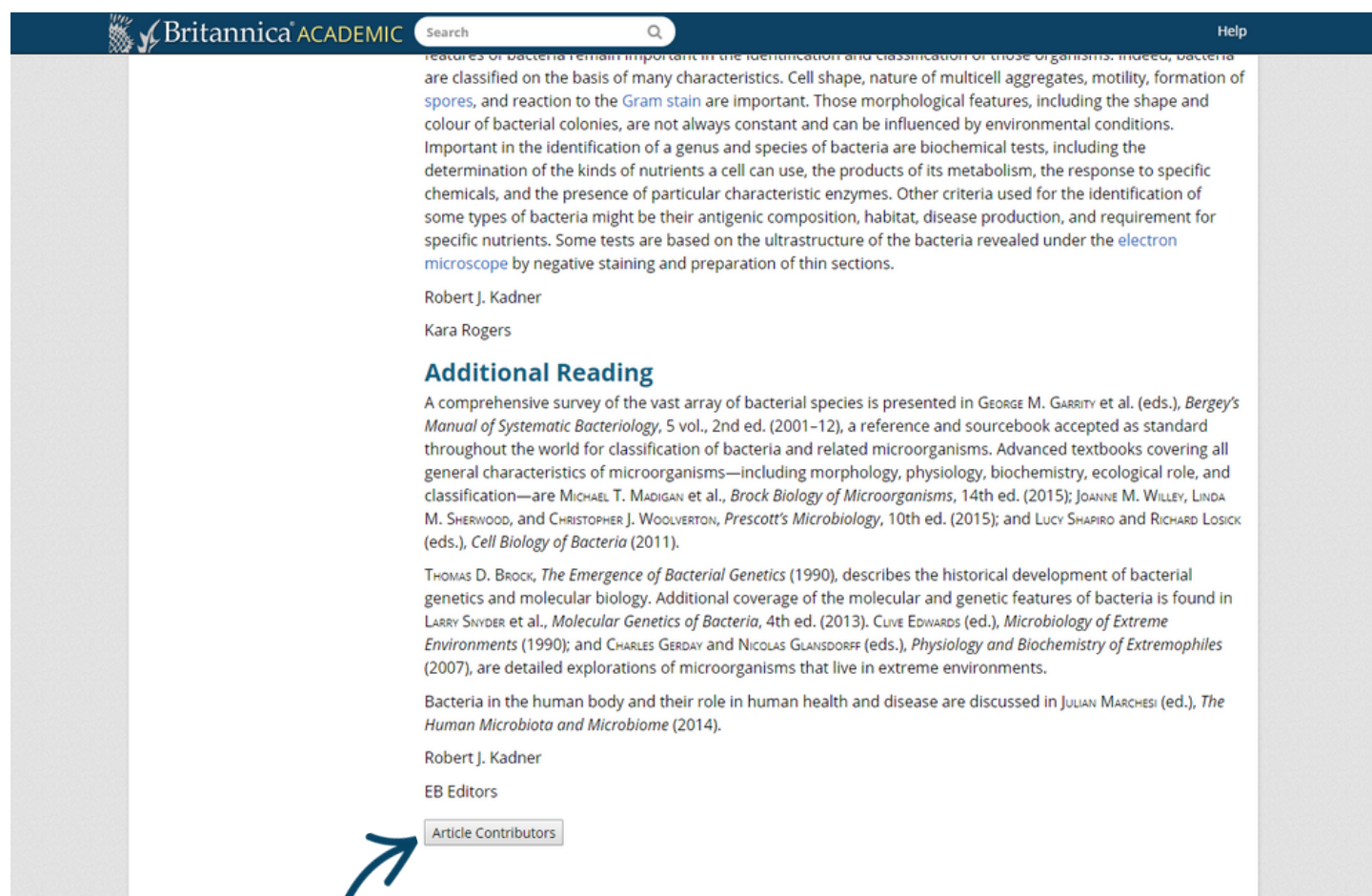
打印或下载

单击打印机图标以打印图像。您也可以下载视频。

复制链接

点击复制媒体链接。

文章作者查询



The screenshot shows the top of a Britannica Academic article page. The header includes the Britannica logo, the word 'ACADEMIC', a search bar, and a 'Help' link. The article text discusses bacterial classification and identification. Below the text, the authors 'Robert J. Kadner' and 'Kara Rogers' are listed. The 'Additional Reading' section provides references to various microbiology textbooks. At the bottom of the article content, the names 'Robert J. Kadner' and 'EB Editors' are listed. A blue arrow points from the bottom left towards a button labeled 'Article Contributors'.

Features of bacteria remain important in the identification and classification of those organisms. Indeed, bacteria are classified on the basis of many characteristics. Cell shape, nature of multicell aggregates, motility, formation of spores, and reaction to the Gram stain are important. Those morphological features, including the shape and colour of bacterial colonies, are not always constant and can be influenced by environmental conditions. Important in the identification of a genus and species of bacteria are biochemical tests, including the determination of the kinds of nutrients a cell can use, the products of its metabolism, the response to specific chemicals, and the presence of particular characteristic enzymes. Other criteria used for the identification of some types of bacteria might be their antigenic composition, habitat, disease production, and requirement for specific nutrients. Some tests are based on the ultrastructure of the bacteria revealed under the electron microscope by negative staining and preparation of thin sections.

Robert J. Kadner
Kara Rogers

Additional Reading

A comprehensive survey of the vast array of bacterial species is presented in GEORGE M. GARRITY et al. (eds.), *Bergey's Manual of Systematic Bacteriology*, 5 vol., 2nd ed. (2001–12), a reference and sourcebook accepted as standard throughout the world for classification of bacteria and related microorganisms. Advanced textbooks covering all general characteristics of microorganisms—including morphology, physiology, biochemistry, ecological role, and classification—are MICHAEL T. MADIGAN et al., *Brock Biology of Microorganisms*, 14th ed. (2015); JOANNE M. WILLEY, LINDA M. SHERWOOD, and CHRISTOPHER J. WOOLVERTON, *Prescott's Microbiology*, 10th ed. (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 SINYDER et al., *Molecular Genetics of Bacteria*, 4th ed. (2013). CLIVE EDWARDS (ed.), *Microbiology of Extreme Environments* (1990); and CHARLES GERDAY and NICOLAS GLANDORFF (eds.), *Physiology and Biochemistry of Extremophiles* (2007), are detailed explorations of microorganisms that live in extreme environments.

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

滚动到文章末尾单击Article Contributors查看文章贡献者以及他们
在该主题方面做过的相关研究与贡献。通过Additional
Reading查看额外阅读和参考建议，以帮助您进一步进行研究。

研究工具

关键词搜索

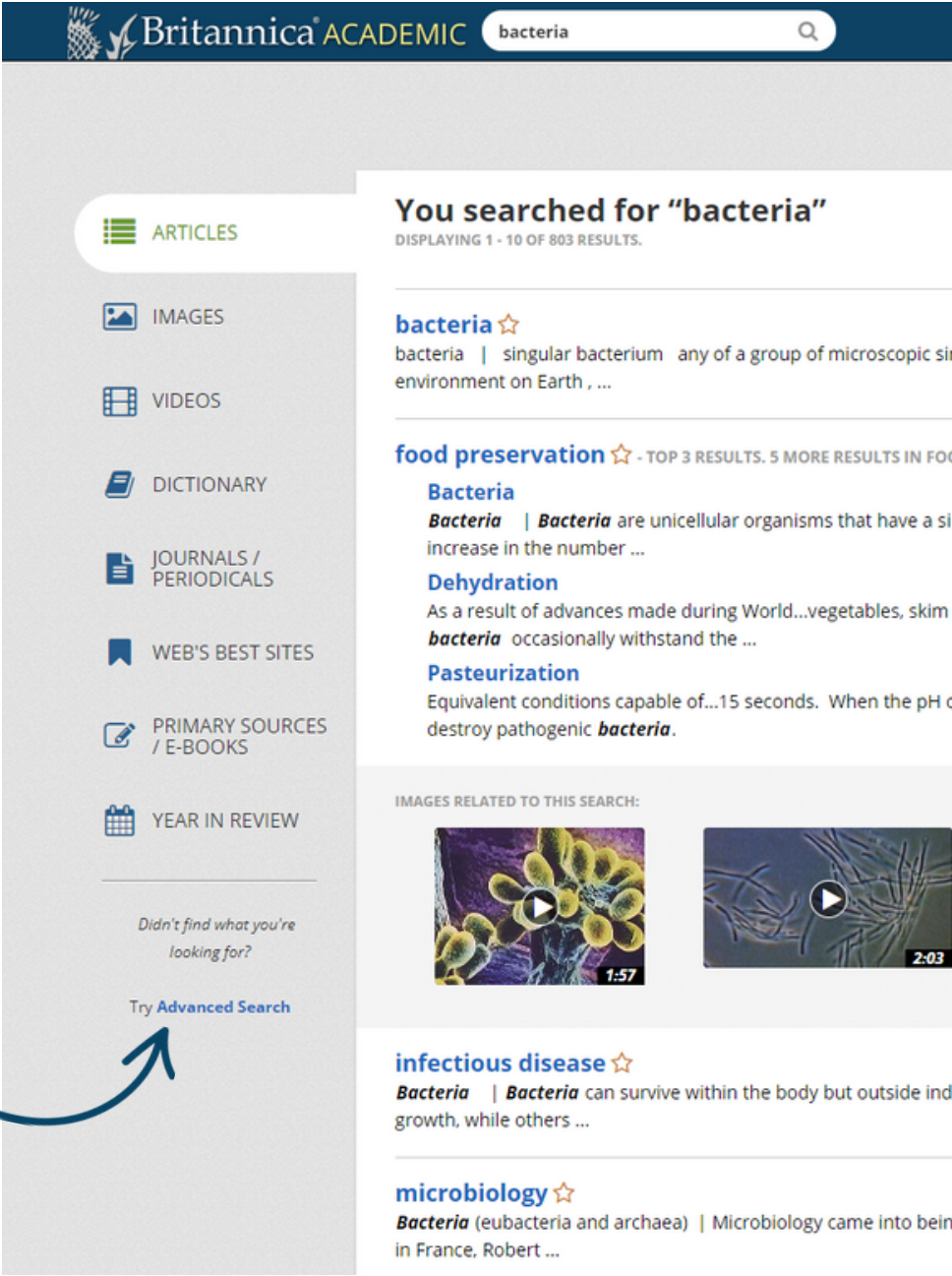
在搜索框中键入关键词，例如“bacteria”，开始搜索。

过滤搜索结果

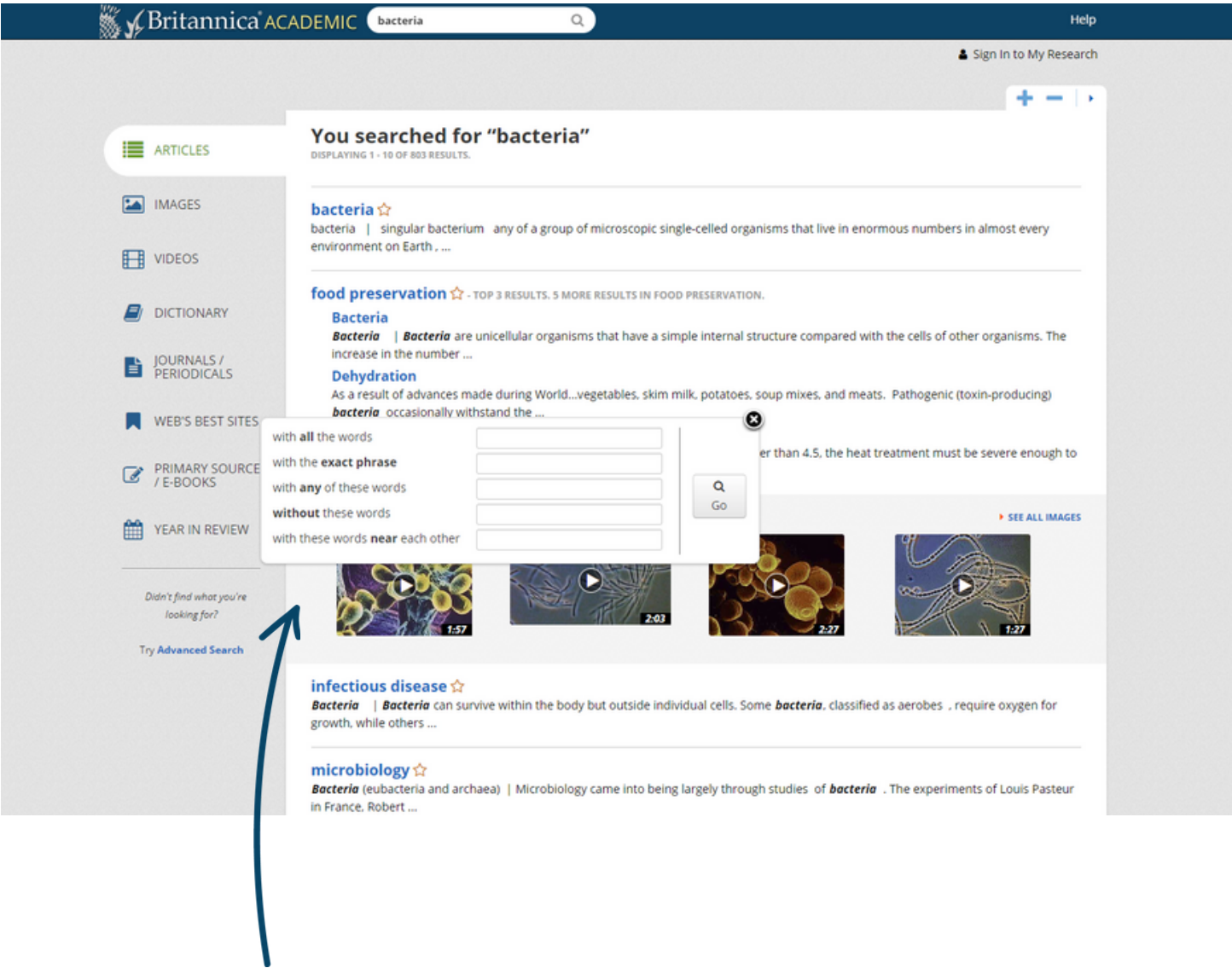
通过左侧菜单内的图标按内容类型筛选搜索结果，例如 文章(articles)，图像(images)，视频(videos)，词典(dictionary)，期刊杂志(journals/periodicals)，原始文献与电子书(primary sources/e-books) 或年度回顾 (Year in Review)。

高级搜索

使用“高级搜索”进一步优化搜索结果。

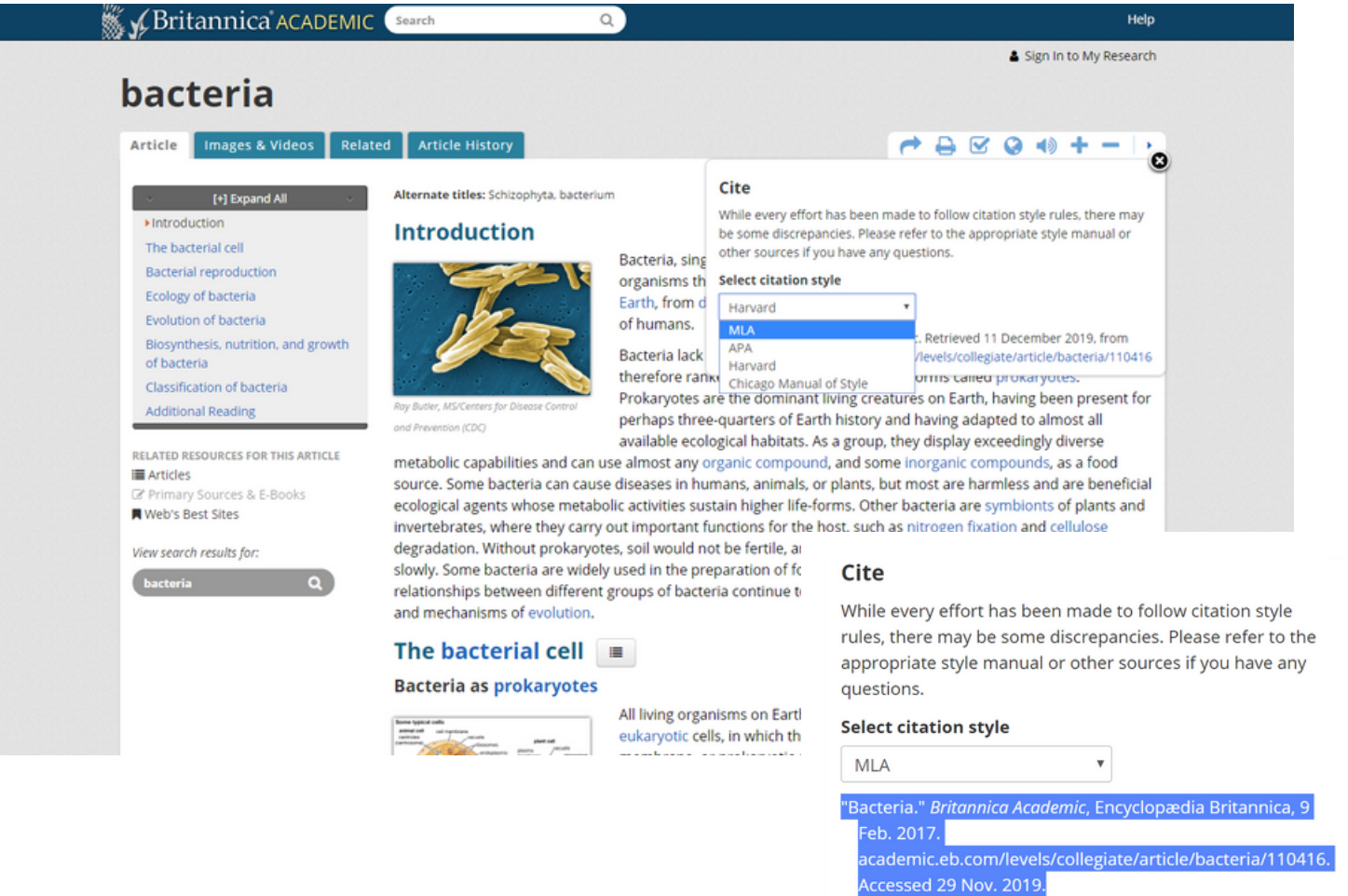


高级搜索



高级搜索允许您使用参数 来优化搜索。 您可以输入一个或多个可用的高级搜索参数（如下）。 大英百科的搜索引擎将查找与您指定的所有参数匹配的内容。

引文工具



引文工具可以按照多个规范格式为您生成引用文章或媒体出处。单击工具栏中的引用(Cite)图标打开引用弹窗，从下拉菜单中选择一个格式。复制生成的引文并根据需要粘贴到另一个文档中。

- MLA
- APA
- Chicago Manual of Style
- Harvard

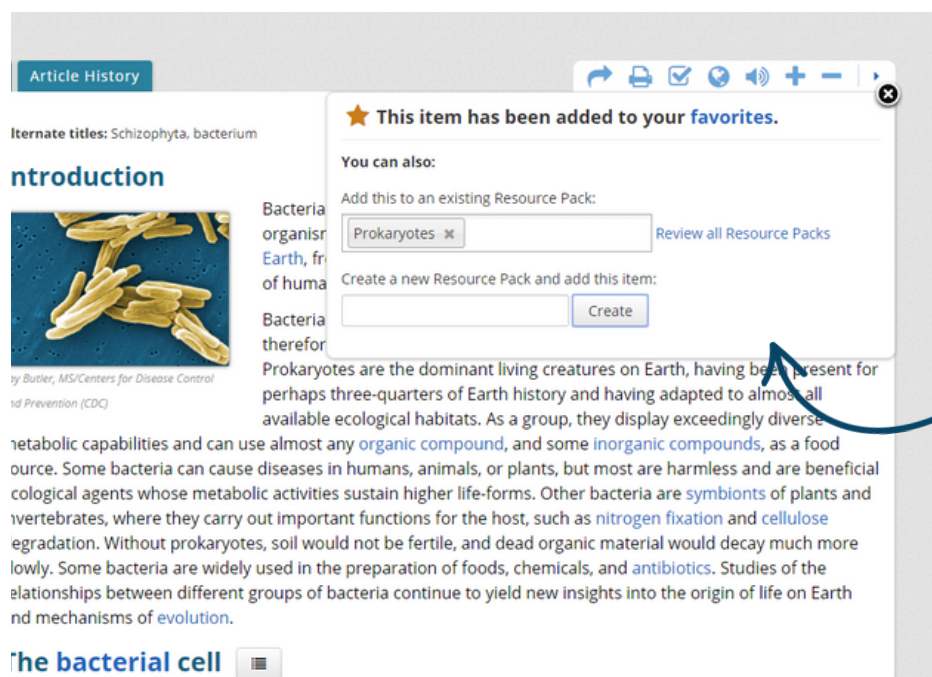
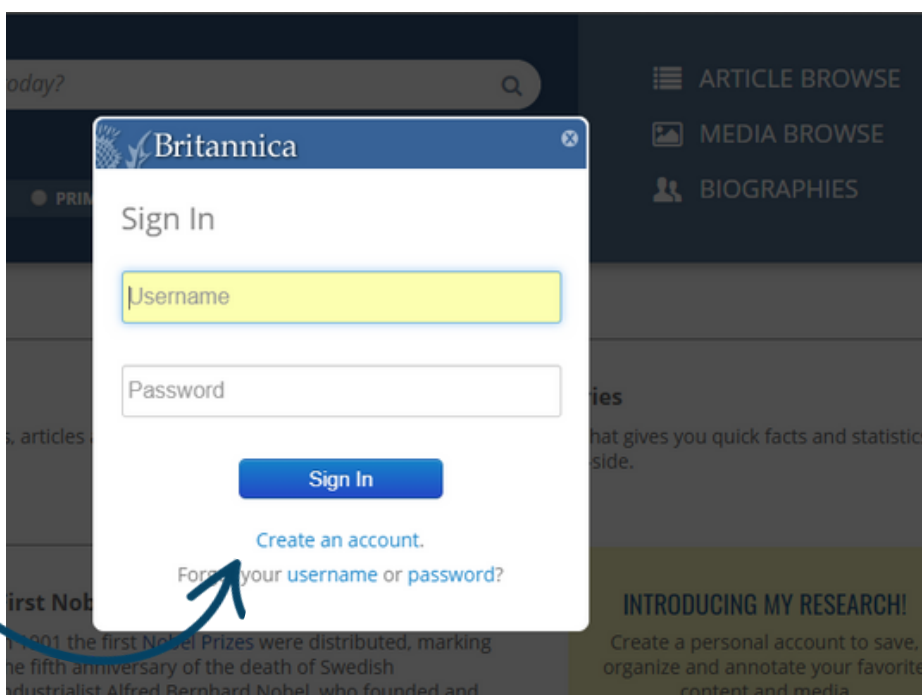
My Research: 创建个人账号

登录

点击任意页面右上角的“Sign In to My Research”登录个人账号。

创建账号

在登录窗口中，点击“Create an account”。输入您的详细信息，然后创建帐户。



添加内容

单击文章或者媒体工具栏中的分享箭头后选择“收藏(Favourite)”将文章添加到My Research。出现提示时，您可以选择将内容保存到现有的资源包，或通过输入资源包(或文件夹)名称来创建新的资源包。

My Research: 整理内容

My Content

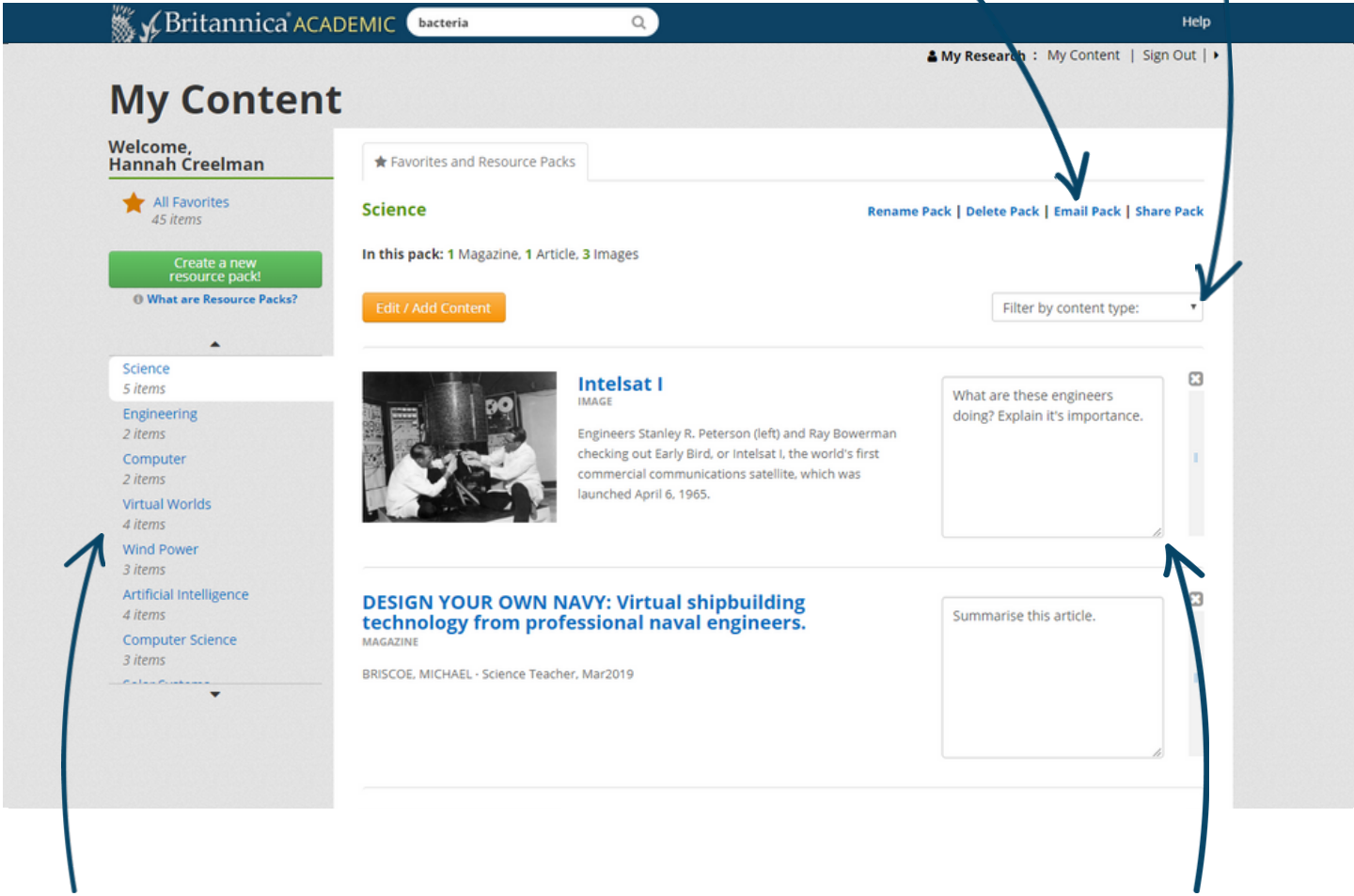
通过单击任意页面右上角的My Content进入My Research账号页面。

分享资源包

通过生成的链接或电子邮件分享您的资源包。

筛选内容

点击"Filter by content type"按类型筛选您的收藏内容，例如图片。



资源包 Resource Packs

点击查看所有已收藏内容或者创建一个新的资源包。

整理内容

将任何收藏内容拖放到左侧的任意资源包中。

添加备注 Notes

为已收藏的内容添加备注。

英语为非母语用户

字典 Dictionary

双击文章中的任意单词查看字典定义。由韦氏大词典提供英语注解。

朗读文章 Read Aloud

通过文字转语音工具朗读文章。

The screenshot displays the Britannica Academic website for the article 'bacteria'. The interface is in English. A blue arrow points from the 'Read Aloud' section to a speaker icon in the article's toolbar. Another blue arrow points from the '全文翻译' section to a language switcher at the bottom right of the page, which shows 'English' and '中文 (简体)' options.

支持所有英语能力

Britannica Academic大英百科学术版具有一系列内置工具，为英语为非常用用户提供多方面阅读支持。

全文翻译

通过将所有页面翻译成简体中文来支持英语为第二语言的用户。在语言之间切换以增强英语理解能力。

笔记 Notes

This image shows a full page of blank, lined paper. It features approximately 20 horizontal blue lines spaced evenly across the page, typical of notebook or legal stationery. The lines are thin and light blue, set against a plain white background. There are no margins, text, or other markings present.



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