

# GALE IN CONTEXT: SCIENCE

## USER GUIDE

## Overview

***Gale In Context: Science*** delivers up-to-date information on frequently studied topics in biology, chemistry, physics, mathematics and more. You will find:

- Videos
- Magazines
- News articles
- Reference entries
- Experiments

It helps you master science and technology-related topics so that you can apply your knowledge to real world issues.

## On the Homepage

- Perform **Basic Search**
- Discover trending scientific topics and findings featured in the banner under **TOPICS OF INTEREST**
- Link directly to popular scientific subjects by clicking on the topics under **BROWSE TOPICS**

**GALE IN CONTEXT**  
**Science**

Search...

Advanced Search

Browse Topics Title List Search History Get Link Highlights And Notes

**TOPICS OF INTEREST**

**Global Warming and Climate Change**

Greenland lost a whopping 217 billion tons of ice in July of 2019. Above average temperatures contributed to this massive thaw, which is some of the worst melting seen in recent years. This amount of melt also contributes to sea-level rise and changes the coastal infrastructure.

[Explore this topic](#)

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**BROWSE TOPICS**

**Biographies (54)**  
Vandana Shiva  
Regina Benjamin  
Chien-Shiung, Wu

**Biology (242)**  
Biodiversity **UPDATED**  
Genetic Engineering **UPDATED**  
Environmental Monitoring

**Chemistry (178)**  
Atomic Weight  
Helium **UPDATED**  
Acids and Bases **UPDATED**

**Earth and Environmental Science (135)**  
Geologic Time  
Rainforests **UPDATED**  
Wetlands **UPDATED**

**General Science (28)**  
Africa  
Science Fair Projects and Experiments  
Scientific Debate **UPDATED**

**Health and Medicine (153)**  
Respiratory System **UPDATED**  
Strep Infection **UPDATED**  
Schizophrenia **UPDATED**

## Basic Search



- Search across the entire site with a single query
- Search exact phrases using “quotation marks” (e.g. “Nuclear Weapons”)
- Use asterisks to match partial words (e.g. virus\*)
- Support the use of Boolean operators AND, OR and NOT (e.g. Mercury AND Planet)

# Advanced Search

- Click on **Advanced Search** in the homepage or under **SEARCH OPTIONS**
- Allow entering keywords into multiple search boxes with a maximum of 10 rows
- Customize your search options such as **Author, Subject** and **ISSN**
- Filter your search results by ticking **Full Text Documents, Peer-Reviewed Journals, or Document Contains Images**
- Set the specific publication dates for your search

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GALE IN CONTEXT

Science

Search...



SEARCH OPTIONS

Advanced Search Publication Search Topic Finder

## Advanced Search

Search for  in  ▼

And ▼  in  ▼

And ▼  in  ▼

[Add a Row](#) ⊕

MORE OPTIONS

- Full Text Documents
- Peer-Reviewed Journals
- Document Contains Images

by publication date(s):

- All Dates
- Before
- On
- After
- Between

by document type:

Select Document Type(s) ▼

## Publication Search

Find a specific source and get information about the publication or link to its content

- Click on **Publication Search** under **SEARCH OPTIONS**
- Type all or part of a title and select from the suggestions, or
- Click on **List All Publications** to browse and filter the full list of available sources

My Library: Hong Kong Public Libraries Change Database

**GALE IN CONTEXT** Science

Search...

SEARCH OPTIONS  
[Advanced Search](#) **[Publication Search](#)** [Topic Finder](#)

## Publication Search

List All Publications

"Education for Health"

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**GALE IN CONTEXT** Science

Search...

**Education for Health**

ABOUT THIS PUBLICATION

Index coverage:	January 1, 2014 - Current
Full-text coverage:	January 1, 2014 - Current
	2019 January 1, 2019, Vol.32, Issue 1
Title:	Education for Health
Place of Publication:	
ISSN:	1357-6283
e-ISSN:	1469-5804
Format:	Magazine/Journal
Publication Frequency:	Triannual
Language:	English
Audience:	Academic
Peer-Reviewed:	Yes
Gale Subject Headings:	Public health; Health and medicine; Government and political science
Description:	Publishes original contributions of interest to health and clinical practitioners, educators, policy makers, administrators, and learners in the health professions.
Publisher:	Medknow Publications and Media Pvt. Ltd.
Address:	A-202, 2nd Floor The Cube, C.T.S. No.1488A/2 Village Marol, Andheri (East)

SEARCH WITHIN PUBLICATION

# Topic Finder

Visualize your search results and discover a narrower and more unique research path, or identify connections between topics

- Click on **Topic Finder** under **SEARCH OPTIONS**
- Enter the search term
- View the diagram in **Wheel** or in **Tiles**
- Click on an article title to view the result

GALE IN CONTEXT Science

Search... Previous Page Browse Topics Search History Get Link Highlights And N

SEARCH OPTIONS  
Advanced Search Publication Search **Topic Finder**

## Topic Finder

Find new topics or keywords and discover new connections found in the top results.

"Quantum Mechanics"

Search Terms: "Quantum Mechanics"

RESULTS

There are two ways to visualize below which words and subjects are found most often in the text of your search results.

Visualization:  Tiles  Wheel

Clicking on a topic wheel or tile narrows your original search results to the documents also containing that subject or term.

Click on a section to display results.

Physicist Principle Photons  
Research University  
**Physics**  
Particles  
Atoms  
Theory  
Light  
Subatom Particle

Physicist Principle Photons  
Atomic Structure Planck Heisenberg  
Particles Scientists Problem Scattering  
Physics Research Quantum Computing Modern Physics Ira Flatow Star  
Waveparticle Duality, Wave-particle Duality Phase Transitions Chemist Paul  
Werner Karl Heisenberg  
Nature

A year course in quantum mechanics is both the and the cornerstone of the first year of graduate Physics It offers a chance to show the next generation of physicists this marvelous and successful...  
[Quantum Mechanics (Nonfiction work)]  
Causality: king chance  
[Atomic theory] [Bohr, Niels (Danish physicist)] [(Physics)] [Complementarity (Physics)] [Einstein] [Physics] [Quantum mechanics]  
Quantum mechanics gets physical: theory derives fundamental information principles  
Physicists in Canada and Italy have derived quantum mechanics from physical principles related to the manipulation and retrieval of information The next step in a long ongoing effort to find...  
[Axioms] [Quantum mechanics]  
Physics constant gets new limit: analysis checks quantum mechanics value  
One of Physics most fundamental constants just how much the fine structure constant is data

# Browsing Content

## Topic Pages

- A one-stop portal for information on frequently studied subjects
- Build your understanding with an **Overview** essay
- Select a content type under **ON THIS PAGE** to explore further

My Library: Hong Kong Public Libraries    Change Databases    English    Sign in with Google    Sign in with Microsoft

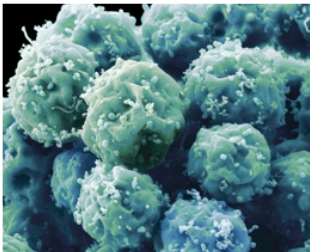
**GALE IN CONTEXT**    Science

Search...    Advanced Search    Browse Topics    Search History    Get Link    Highlights And Note

Home > Biology > Cells

## Cells

OVERVIEW



Embryonic stem cells

The cell is the smallest living component of organisms and is the basic unit of life. A cell contains the genetic material that supplies the coded instructions for the manufacture of a new cell, as well as the other materials necessary for the cell's growth and survival.

In multicellular living organisms, a collection of cells that performs a similar function is called a tissue. Various tissues that perform coordinated functions form organs, and organs can work together to perform the general processes of body systems. The human digestive system, for example, is composed of various organs, including the stomach, pancreas, and the intestines. The tissue that lines the intestine is called epithelial tissue. Epithelial tissue, in turn, is composed of...

[Read more](#)

ON THIS PAGE

- ☆ Featured Content (3)
- 📖 Reference (84)
- 🧪 Experiments (1)
- 🖼️ Images (22)
- 🎥 Videos (4)
- 🔊 Audio (11)
- 📰 News (165)
- 📄 Academic Journals (1,960)
- 📖 Magazines (129)
- 🌐 Websites (6)
- Related Topics**



# Working with results

2,084 REFERENCE Sort by: Relevance ▼

Search Terms: Basic Search: science

Applied Filters: With Full Text ✕

- Relevance
- Newest
- Document Title
- Content Level

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July 19, 2

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From: Th

July 19, 2

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- **Sort By** : Use the drop-down box to view articles with the highest relevance or to view the newest articles

- **Filter your Results** : Click to access and apply limits

- **Search Within** : Submit additional terms to refine your search

Symbolic logic

Author: J. Paul Moulton

From: The Gale Encyclopedia of Science (5<sup>th</sup> ed.)

## FILTER YOUR RESULTS

Date Published

Subjects

Document Type

Publication Title

Lexile Measure

Content Level

Search Within

 Full Text Documents

## TOPIC FINDER

Discover topics and results related to your search.

# Working with documents (1)

## Document Tools



Cite



Send To...



Download



Print

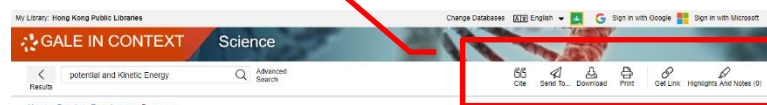


Get Link



Highlights And Notes (0)

- **Cite** – Choose from MLA, APA or Chicago style
- **Send To** – Email or export the result to your Google Drive™ or OneDrive™ account
- **Print / Download** the document in pdf format
- **Get Link** – Provide a reliable permalink for the document



### Potential and Kinetic Energy



Editor: Kristina Krapp

Date: Jan 1, 2010

From: Experiment Central: Understanding Scientific Principles Through Projects (2<sup>nd</sup> ed.)

Publisher: UAL



Document Type: Topic overview; Experiment activity

Length: 2,466 words

Content Level: 10 (Level 3) Lexile Measure: 1070L

Translate Font Size Listen



#### EXPLORE

##### More Like This

A METEORITIC JAMMI: CLIMATOLOGY ALONG THE U.S. EAST COAST About 25 meteorites are pe...  
Bulletin of the American Meteorological Society, July 1, 2015.

Uncertainty reduction in biochemical kinetic models: Enforcing desired model properties...  
PLoS Computational Biology, Aug 20, 2019.

Using a systems thinking approach to figure out why a ball drops, bounces, and stops...  
Science Scope, Nov 1, 2018.

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##### Article Contents

EXPERIMENT 1  
Measuring Energy: How does the height of an object affect its potential energy?



## Working with documents (2)

### Document Tools



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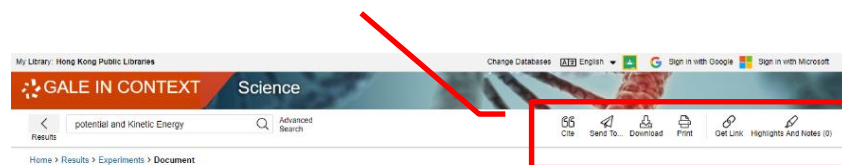


Highlights And Notes (0)

- **Highlights And Notes** – Annotate an important text while using the database

1. Select text
2. Click or tap the **Highlight** tool to choose a color
3. Optional: Add notes

- Be sure to send, download, or print your Highlights and Notes before closing your browser, or they will be lost.



Potential and Kinetic Energy

Editor: Kristina Krapp  
Date: Jan 1, 2010

From: Experiment Central, Understanding Scientific Principles Through Projects (2nd ed.)  
Publisher: UXL

Document Type: Topic overview; Experiment activity  
Length: 2,466 words  
Content Level: **IX** (Level 3) Lexile Measure: 1070L

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**More Like This**

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Bulletin of the American Meteorological Society, July 1, 2019.

Uncertainty reduction in biochemical kinetic models: Enforcing desired model properties  
PLoS Computational Biology, Aug. 20, 2015.

Using a systems thinking approach to figure out why a ball drops, bounces, and stops  
Science Scope, Nov. 1, 2018.

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**Article Contents**

EXPERIMENT 1  
Measuring Energy: How does the height of an object affect its potential energy?

# Working with documents (3)

## Accessibility Tool

- **Translate** – View machine translation of 40 different languages
- **Font Size** - Adjust the font size of the document
- **Listen** – Listen to a text-to-speech audio and download the .mp3 for future listening

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Results: potential and Kinetic Energy | Advanced Search

Home > Results > Experiments > Document

### Potential and Kinetic Energy

Editor: Kristine Krapp | Date: Jan. 1, 2010

From: Experiment Central: Understanding Scientific Principles Through Projects (2nd ed.) | Publisher: UXL

Document Type: Topic overview; Experiment activity | Length: 2,460 words | Content Level: (Level 3) | Lexile Measure: 1070L

Translate | Font Size | Listen

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**More Like This**

A METEOTsunami CLIMATOLOGY ALONG THE U.S. EAST COAST: About 25 meteotsunamis pe...  
Bulletin of the American Meteorological Society, July 1, 2019

Uncertainty reduction in biochemical kinetic models: Enforcing desired model properties  
PLoS Computational Biology, Aug. 20, 2019.

Using a systems thinking approach to figure out why a ball drops, bounces, and stops  
Science Scope, Nov. 1, 2018.

See More

Article Contents

EXPERIMENT 1  
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## Working with documents (4)

At the bottom of the content,

- **Explore** – Select articles listed under **More Like This** to find similar results, or
- Click on **Related Subjects** to find additional documents with similar subject terms

### EXPLORE

#### More Like This

A METEOTSUNAMI CLIMATOLOGY ALONG THE U.S. EAST COAST: About 25 meteotsunamis pe...  
Bulletin of the American Meteorological Society, July 1, 2019.

Uncertainty reduction in biochemical kinetic models: Enforcing desired model properties  
PLoS Computational Biology, Aug. 20, 2019.

Using a systems thinking approach to figure out why a ball drops, bounces, and stops  
Science Scope, Nov. 1, 2018.

See More

#### Article Contents

##### EXPERIMENT 1

Measuring Energy: How does the height of an object affect its potential energy?

What Are the Variables?

How to Experiment Safely

Troubleshooter's Guide

##### EXPERIMENT 2

Using Energy: Build a roller coaster

What Are the Variables?

How to Experiment Safely

Troubleshooter's Guide

Design Your Own Experiment

#### Document Images

### Related Subjects

- Science experiments (Education)
- Roller coasters
- Weight (Mass)
- Kinetic energy
- Potential energy
- Newton's laws of motion
- Newton, Isaac (English physicist)

Available at : All Hong Kong Public Libraries (excluding mobile libraries)

使用地點 所有香港公共圖書館 (流動圖書館除外)

Remote Access : The database is available for remote access by registered library readers of the Hong Kong Public Libraries via the following website.

經互聯網使用 香港公共圖書館登記讀者可經以下網址使用此資料庫。



<http://www.hkpl.gov.hk/remotearchive>

