

## ✦ AI Overview

A textbook definition of science is **the systematic study of the natural world and its phenomena through observation and experimentation, involving the formulation and testing of hypotheses to gain knowledge about general truths and fundamental laws**. Science is characterized by its reliance on evidence, systematic methodology, and the scientific method. [🔗](#)

## Key Components of Science

- **Systematic Study:** Science involves a structured and organized approach to understanding the world. [🔗](#)
- **Natural World:** It focuses on the physical and natural world and its processes. [🔗](#)
- **Observation and Experimentation:** Science relies on careful and unbiased observation and controlled experiments to test ideas. [🔗](#)
- **Evidence-Based:** Conclusions are drawn from gathered evidence and data rather than opinion or preference. [🔗](#)
- **Scientific Method:** A research methodology that includes observing a phenomenon, forming a testable hypothesis, making predictions, and conducting experiments to test those predictions. [🔗](#)
- **Objective Knowledge:** The goal is to acquire knowledge based on demonstrable and reproducible data. [🔗](#)
- **General Truths and Laws:** Science seeks to discover general truths and the fundamental laws

### Our definition of science

Science is the pursuit and application of knowledge an...

[📄](#) The Science Council [⋮](#)



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Biology is a science, but what exactly is science? What doe...

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### Define Science | Labcoat Life - Nature

Aug 7, 2011 — That similarity is the "scientific method." "Science is knowledge or a system...

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The Science Council  
<https://sciencecouncil.org> › About science

## Our definition of science

**Science** is the pursuit and application of knowledge and understanding of the natural and social world following a systematic methodology based on evidence.

### People also ask

What is the textbook definition of science?



What is the best definition in science?



What is the new definition of science?



What are the 5 definitions of science?



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Merriam-Webster  
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## SCIENCE Definition & Meaning

1. a : knowledge or a system of knowledge covering general truths or the operation of general laws especially as obtained and tested through scientific method.

Synonyms of science

Social Science

Anti-science

Big science



ScienceDirect.com  
<https://www.sciencedirect.com> › science › article › pii

## ScienceDirect.com

**Science** is the pursuit of knowledge and understanding of the natural and social world following a systematic methodology based on evidence.




Wikipedia  
<https://en.wikipedia.org> › wiki › Science

## Science

Science is a systematic discipline that builds and organizes knowledge in the form of testable hypotheses and predictions about the universe.

- Branches
- History
- Science (journal)
- Natural science

 Understanding Science – How science REALLY works...  
<https://undsci.berkeley.edu> › lessons › pdfs › what...

What is science?

PDF

⋮


Science is both a body of knowledge and a process. In school, science may sometimes seem like a collection of isolated and static facts listed in a textbook,.  
22 pages

 Sage Publishing  
<https://us.sagepub.com> › 81274\_book\_item\_81274

What Is Science?

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Is **science** simply a body of knowledge or a collection of facts, as many of us learn in high school? While there was a time when many scientists may have **defined** ...  
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1.1: What is Science?


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Aug 25, 2025 – Science is more than just a body of knowledge, **science provides a means to evaluate and create new knowledge** without bias [ 1 ].  
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Unit 1: Defining Science – The Culture of Science


Introduction. People often think of **science** as a static body of knowledge describing natural phenomena, the human body, and the technologies that improve our ...

 OpenStax  
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1.1 The Science of Biology

⋮

We can define science (from the Latin scientia, meaning “knowledge”) as **knowledge that covers general truths or the operation of general laws**, especially when ...

 Understanding Science – How science REALLY works...  
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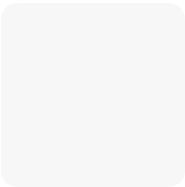
What is science?

⋮

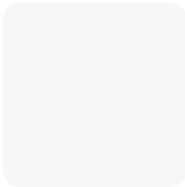
**Science is a collection of facts.** Correction: Science is both a body of knowledge and the process for building that knowledge.

- Science for all
- How science works
- A science checklist
- Science in disguise

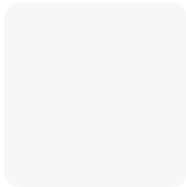
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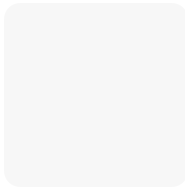
Scientific  
method



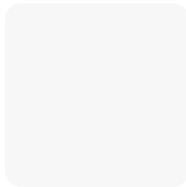
Academic  
discipline



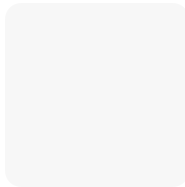
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