

## Science

“The investigation of natural phenomena through observation, theoretical explanation, and experimentation, or the knowledge produced by such investigation. Science makes use of the **scientific method**, which includes the careful observation of natural phenomena, the formulation of a hypothesis, the conducting of one or more experiments to test the hypothesis, and the drawing of a conclusion that confirms or modifies the hypothesis.”

– The American Heritage® Science Dictionary  
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## Hypothesis

(Plural: Hypotheses)

“A statement that explains or makes generalizations about a set of facts or principles, usually forming a basis for possible experiments to confirm its viability.”

– The American Heritage® Science Dictionary  
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## Scientific Method

“The principles and empirical processes of discovery and demonstration considered characteristic of or necessary for scientific investigation, generally involving the observation of phenomena, the formulation of a hypothesis concerning the phenomena, experimentation to demonstrate the truth or falseness of the hypothesis, and a conclusion that validates or modifies the hypothesis.”

– The American Heritage® Dictionary of the English Language, Fourth Edition  
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## Engineering

“The application of science to practical uses such as the design of structures, machines, and systems.”

– The American Heritage® Science Dictionary  
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