

# A MANUAL FOR WRITERS OF RESEARCH PAPERS THESES AND DISSERTATIONS EIGHTH EDITION CHICAGO STYLE FOR STUDENTS AND RESEARCHERS CHICAGO GUIDES TO WRITING EDITING AND PUBLISHING

## FAQs about A MANUAL FOR WRITERS OF RESEARCH PAPERS THESES AND DISSERTATIONS EIGHTH EDITION CHICAGO STYLE FOR STUDENTS AND RESEARCHERS CHICAGO GUIDES TO WRITING EDITING AND PUBLISHING

**Why research Turabian?** At the heart of Turabian is the idea that, no matter the format, the foundations of good research remain the same: to do it carefully, present it clearly and accurately, and follow academic standards for citation, style, and format.

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**What is the difference between Chicago and Turabian?** Turabian is the student version of The Chicago Manual of Style, aimed at high school and college students who are writing papers, theses, and dissertations. The Chicago Manual of Style is aimed at professional scholars and publishers. Think of Turabian as Chicago for beginners.

**What is the difference between APA and Turabian style?** Most of the differences between Chicago (Turabian) and APA Styles involve in-text citations. Both styles include the last name of the author and a page number in parentheses for the in-text citation. APA Style also includes the year of publication of the source, but Chicago (Turabian) Style does not.

**How do I cite a thesis in Chicago?** Thesis - general pattern Author's First Name Last Name, "Title of Thesis: Subtitle" (type of thesis, University, Year), page(s), URL or Database Name. Bibliography: Author's Last Name, First Name. "Title of Thesis: Subtitle." Type of thesis, University, Year.

**What is the format for turabian research?** There are two formats in Turabian: author-date and notes-bibliography. Liberty University allows only notes-bibliography format, except for book reviews (which use author-date format). In notes-bibliography, include relevant publishing details along with the author's name and year of publication as footnotes.

**How do you cite Chicago turabian?** Basic Article Citation Author First M. Last Name, "Article Title," Journal Title Issue, number (date): page cited, doi or URL (if online). Short version: Author Last Name, "Article Title (shortened if necessary)," page cited.

**Why is the Turabian format important?** Turabian style is a version of Chicago style designed specifically for students and researchers. It follows most Chicago conventions, but also adds extra guidelines for formatting research papers, theses and dissertations.

**What is the Turabian method of research?** Chicago (Turabian) style citation utilizes either footnotes or endnotes and sometimes a bibliography. Footnotes are placed at the bottom of every page of the document while endnotes are placed at the very end of the document. A bibliography, when used, comes at the end of the document as well.

**Why is research format important?** Proper formatting and citation sends a message to your school, your program, and to other professionals that you respect the discipline and other researchers enough to give them credit, and to follow the established general guidelines for research.

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Reporting Standards (December 2008). "Reporting Standards for Research in Psychology: Why Do We Need Them? What Might They Be?" (PDF). American Psychologist...

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7. Sentence spacing clearly communicating ideas is critical to the success of initiatives.” Why Style Matters Discusses the importance of writing well to establish credibility...
8. The Business Style Handbook

**What is the ASCE 74 standard?** ASCE-74 is currently in its 3rd Edition, published in 2010, and provides guidance on loading criteria, weather-related loads (i.e., wind and ice), additional load considerations for transmission structures and wires (e.g., longitudinal loads), and an example design considering all relevant load cases.

**What is ASCE 8?** provides design criteria for the determination of the strength of stainless steel structural members and connections for use in buildings and other statically loaded structures.

**What is the AISI standard for stainless steel?** AISI stands for American Iron and Steel Institute. Therefore, both grade 304 stainless steel and grade 316 conform to the American standard. The European equivalents are 1.4301 and 1.4401, respectively. You can probably see why people usually choose to go with American standards here.

**Does AISC cover stainless steel?** AISC steel specifications cover chromium, chromium-nickel, and chromium-manganese-nickel stainless steel plate, sheet, and strips for pressure vessels and general applications.

**What is the difference between ASCE 7-16 and ASCE 7-22?** Chapter 27: Wind Loads on Buildings The previous standard (ASCE 7-16) had a Part 1 and Part 2, but in ASCE 7-22 the part 2 was removed. Part 2 applied to the special class of Simple Diaphragm buildings.

**What is ASCE 7-16 used for?** ASCE's standard, Minimum Design Loads and Associated Criteria for Buildings and Other Structures, ASCE/SEI 7-16, describes the means for determining design loads, as well as how to assess load combinations.

**What is ASCE 10 standard?** Standard ASCE/SEI 10-15 is a primary reference for structural engineers designing latticed steel electrical transmission structures, as well as for other engineers, inspectors, and utility officials involved in the electric power transmission industry.

**What is the difference between ASCE 7 and ASCE 41?** However, ASCE/SEI 41 was developed to assess the structural performance of existing buildings. On the other hand, ASCE 7 is a prescriptive standard that has been used in design of new buildings for several decades.

**What is ASCE standard 10 97?** This Standard provides requirements for the design of guyed and self-supporting latticed steel electrical transmission structures. The requirements are applicable for hot-rolled and cold-formed steel shapes. Analysis techniques are outlined for the geometrical

configurations currently in use.

**Is AISI 304 and SS 304 same?** AISI 304, SS 304, SAE 304, and SUS 304 are all different representations of the same material, depending on where it is referenced. SS stands for "stainless steel", SUS stands for "steel use stainless" (Japanese standard), and AISI/SAE refer to the standard organisations that developed the numbering system.

**Is stainless steel AISI 304 or 316?** 304 stainless steel vs 316 316 contains a minimum 2.0% molybdenum which makes it much more corrosion resistant than 304 however, as it is a more expensive element, generally makes 316 a more expensive grade of metal.

**What is stainless steel standard?** The minimum 10.5% chromium in stainless steels provides resistance to approximately 700 °C (1,300 °F), while 16% chromium provides resistance up to approximately 1,200 °C (2,200 °F). Type 304, the most common grade of stainless steel with 18% chromium, is resistant to approximately 870 °C (1,600 °F).

**What ASTM is stainless steel?**

**What code is structural stainless?** The release of AISC 313, Code of Standard Practice for Structural Stainless Steel Buildings, and ANSI/AISC 370, Specification for Structural Stainless Steel Buildings, in 2021 underscored that commitment.

**What code is stainless steel?** Most stainless steel ordered around the world is Grade 304. It offers the standard corrosion resistance, formability, strength, and easy maintenance for which stainless is known. While 316 comes in second in terms of quantities sold, it offers vastly superior corrosion resistance to chlorides and acids.

**What is the ASCE standard for?** ASCE Standards provide technical guidelines for promoting safety, reliability, productivity, and efficiency in civil engineering. Many of our standards are referenced by model building codes and adopted by state and local jurisdiction. They also provide guidance for design projects around the world.

**What does ASCE code stand for?** American Society of Civil Engineers.

**What is ASCE sustainable infrastructure standard?** The standard directs project owners to develop and implement a greenhouse gas emission reduction plan to reduce the total infrastructure solution emission by 15% from the solution's baseline. The standard complements existing ASCE standards and tools like the Envision rating system.

**What is ASCE grade?** ASCE's Guidelines for Engineering Grades were created to help engineers and their employers recognize an engineer's level of professional development and career advancement. The guidelines outline the knowledge, skills, and responsibilities associated with engineers at each grade.

**ASCE Design Standard for Stainless Steel Structures**, by SH Lin · 1988 · Cited by 2 — The proposed ASCE Specification includes design provisions for welded and bolted connections using stainless steels. [scholarsmine.mst.edu/cgi/viewcontent.cgi?article=1265&context=iscss](https://scholarsmine.mst.edu/cgi/viewcontent.cgi?article=1265&context=iscss)

**Guidelines for Electrical Transmission Line Structural Loading | Proceedings**, 11 Jun 2021 — This document is intended as a statement of custom and usage in structural stainless steel construction. Competent design, construction, and ... [ascelibrary.org/doi/10.1061/9780784479414.013#:~:text=ASCE%2D74](https://ascelibrary.org/doi/10.1061/9780784479414.013#:~:text=ASCE%2D74) is currently in, considering all relevant load cases

**ASCE 8**, To develop and maintain the standard for the design of cold-formed stainless steel structural members and connections. [ascelibrary.org/doi/book/10.1061/asce8#:~:text=provides design criteria](https://ascelibrary.org/doi/book/10.1061/asce8#:~:text=provides%20design%20criteria) for the, and other statically loaded structures

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**Stainless Steels AISI 304 vs 316 – the Difference and Use-Cases - Fractory**, by NR Baddoo · 2003 · Cited by 19 — Design standards for structural stainless steel are compared. The European (Eurocode 3 ENV 1993-1-4), American (SEI/ASCE 8-02) and Australian/New Zealand ... fractory.com/stainless-steels-aisi-304-vs-aisi-316/#:~:text=AISI stands for American Iron,go with American standards here

**Stainless Steel Standards and Specifications for Cleanroom ...**, 12 Jul 2021 — American Society of Civil Engineers (ASCE) has revised ASCE 8 Specification for the design of cold-formed stainless steel, applicable to ... terrauniversal.com/blog/ASTM-AISC-cleanroom-stainless-steel-standards-and-specifications#:~:text=AISC steel specifications cover chromium,presure vessels and general applications  
**Specification for the Design of Cold-Formed Stainless ...**, This ASCE Standard Specification shall apply to the design of structural members cold-formed to shape from annealed and cold-rolled sheet, strip, plate, or flat. ascelibrary.org/doi/book/10.1061/9780784405567

**Specification for the Design of Cold-Formed Stainless ...**, by SH Lin · 2005 · Cited by 7 — This ASCE Standard was revised in 2002 as SEI/ASCE 8-02 [Specification for the design of cold-formed stainless steel structural members (SEI/ASCE 8-02). pubs.asce.org/Product?isbn=9780784415955

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**a comparison of structural stainless steel design standards**, cedinox.es/export/sites/cedinox/galleries/publicaciones-tecnicas/Baddoo\_EN.pdf

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**Specification for the Design of Cold-Formed Stainless Steel ...**, webstore.ansi.org/preview-pages/ASCE/preview\_9780784405567.pdf

**Revised ASCE specification for the design of cold-formed ...**, sciencedirect.com/science/article/abs/pii/S0141029605001367

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**The Benoni for the Tournament Player by John Nunn**, John Denis Martin Nunn is an English chess grandmaster, a three-time world champion in chess problem solving, a chess writer and publisher, and a mathematician. goodreads.com/book/show/2250213\_The\_Benoni\_for\_the\_Tournament\_Player

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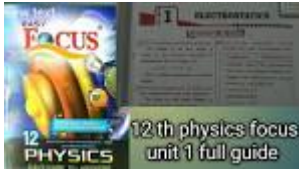
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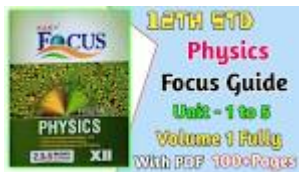
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**What are the applications of finite element method?** Applications of FEM: FEM is extensively used in various fields such as aircraft design, biomedical research (like planning cranial surgery), civil

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engineering (modeling and analysis of structures), automotive industry, electrical engineering, aerospace industry and others.

**What is the finite element method for fatigue?** Fatigue finite element analysis starts with a structural simulation to calculate the stresses and strains in a model due to a single load. You then combine these results with material models and a description of the repetitive loading that the product is expected to undergo during its use.

**What is xfem used for?** Introduction to the eXtended Finite Element Method (XFEM) Fracture Mechanics is the branch of solid mechanics that studies the formation and propagation of cracks in solids. Towards this aim, fracture mechanics employs analytical, experimental and numerical techniques.

**What is finite element method used for?** The finite element method (FEM) is a popular method for numerically solving differential equations arising in engineering and mathematical modeling. Typical problem areas of interest include the traditional fields of structural analysis, heat transfer, fluid flow, mass transport, and electromagnetic potential.

**What are the industrial applications of finite element analysis?** FEA is commonly used in industries where physical testing is impossible or impractical. Examples of applications using FEA models include: Civil Engineering: FEA is used to evaluate the safety and integrity of structures such as bridges, buildings, and dams.

**What are the areas of application of FEA?** Areas of FEA Application FEA software can be used in: Mechanical Engineering design. Computer Aided Drafting (CAD) and engineering simulation services. Structural Analysis.

**What are the 3 methods in fatigue analysis?** The methods to analyze the fatigue life of a machine element have been discussed extensively (Hamrock et al., 1999; Budynas and Nisbett, 2015), and three major methods are the strain-life method, the linear-elastic fracture mechanics method, and the stress-life method.

**What is the extended finite element method?** The Extended Finite Element Method (XFEM) is a numerical method, based on the Finite Element Method (FEM), that is especially designed for treating discontinuities. Discontinuities are generally divided in strong and weak discontinuities. Strong discontinuities are discontinuities in the solution variable of a problem.

**What is a FEA based fatigue analysis?** Fatigue analysis itself usually refers to one of two methodologies. The stress-life (or S-N method), is commonly referred to as the total life method since it makes no distinction between initiating or growing a crack. This was the first fatigue analysis method to be developed over 100 years ago.

**What is GFEM and DFEM?** Global Finite Element Model (GFEM) Detailed Finite Element Model (DFEM)

**What is the finite element method in structural analysis?** Generally, the FEM allows users to obtain the evolution in space and/or time of one or more variables representing the behaviour of a physical system. When referred to the analysis of structures the FEM is a powerful method for computing the displacements, stresses and strains in a structure under a set of loads.

**What is philsm in abaqus?** For a simulation using XFEM, it is important to request PHILSM as output. This is the signed distance function to describe the crack surface using the level set method. If PHILSM is requested, Abaqus automatically creates an isosurface view cut based on this output, which

shows the location of the crack.

**What are the pros and cons of the finite element method?** In general, the more elements there are, the finer the 'mesh' and the more accurate the model and results will be. Too many elements, however, will result in time-consuming (and therefore costly) computer processing for no discernible improvement to accuracy.

**What type of problems can FEM solve?** The finite element method is a computational scheme to solve field problems in engineering and science. The technique has very wide application, and has been used on problems involving stress analysis, fluid mechanics, heat transfer, diffusion, vibrations, electrical and magnetic fields, etc.

**What are the applications and advantages of FEM?**

**What is the practical application of finite element method?** The finite element method (FEM) is a widely accepted numerical method for solving problems in science and engineering. The adaptive virtue of this method offers a simple way to solve complex problems in structural analysis, heat transfer, fluid mechanics and electromagnetic fields among other applications.

**What is the engineering application of finite element analysis?** Finite element analysis (FEA) is the use of calculations, models and simulations to predict and understand how an object might behave under various physical conditions. Engineers use FEA to find vulnerabilities in their design prototypes.

**What FEA does NASA use?** NASTRAN is the NASA Structural Analysis System, a finite element analysis program (FEA) completed in the early 1970's. It was the first of its kind and opened the door to computer-aided engineering. Subsections of a design can be modeled and then larger groupings of these elements can again be modeled.

**What are the industrial applications of FEA?** It is also useful in understanding the optimal design and predicting the behavior and performance of the design. Some of the industries that use the finite element analysis method in their product delivery are mechanical engineering, civil engineering, automotive engineering, and aerospace engineering.

**How is FEA used in aerospace?** Through FEA, designers can digitally create a prototype, test it multiple times over, in any number of situations, and understand in detail why something won't work, or how your design can be improved. All the complex equations and calculations are done by the software.

**What engineers use FEA?** It's used by design engineers as a design tool during the product development process because it allows them to analyze their own designs while they are still in the form of easily modifiable CAD models, providing quick turnaround times and ensuring prompt implementation of analysis results in the design process.

**What are the 3 P's of fatigue?** To help with fatigue it is important to try and save your energy. To do this some people find the 3 P's helpful. This means planning, prioritising and pacing yourself.

**What is the best way to measure fatigue?** The top three most commonly used include the fatigue severity scale (FSS), Chalder fatigue scale (CFS), and fatigue impact scale (FIS). The FSS is a self-report scale assessing the impact of fatigue on functioning in fatigued subjects: higher scores on the FSS indicate greater fatigue.

**How do you analyze fatigue data?** The statistical approach to the analysis of fatigue test data involves using regression analysis to calculate a mean of the test data, and this is compared to a target

curve, which is a factor above the standard design curve that depends on the number of data points and the level of statistical confidence.

**What is an example of a finite element method?** FEM can be used, for example, to determine the structural mechanics of different parts of a car under different loading conditions, the heat flow through engine part, or the distribution of electromagnetic radiation from an antenna.

**What is enhanced finite element method?** NEFEM is able to exactly represent the geometry of the computational domain by means of its CAD boundary representation with Non-Uniform Rational B-Splines (NURBS) surfaces. Specific strategies for interpolation and numerical integration are presented for those elements affected by the NURBS boundary representation.

**What are the three steps in the finite element method?** It outlines the general steps involved, including preprocessing (defining the model), solution/processing (computing unknown values), and postprocessing (analyzing results). Examples of FEM applications include structural analysis, fluid flow, heat transfer, and more.

**What is the application of finite difference method?** The finite difference method in electromagnetics is a numerical procedure based on approximations to solve partial differential equations. This method can be applied when solving linear, non-linear time-independent, and time-dependent problems.

**What are the types of elements and their application in FEA?** So let's take a look at various elements types used in FEA! There are several types of Finite Elements. You can use beams/plates/solids depending on your model. With plates/solids, you can use easier to mesh triangular elements (TRI/TET), or more robust quadratic elements (QUAD/HEX).

**What are the applications of finite math?** Applications of Finite Mathematics provides students with the opportunity to explore mathematics concepts related to discrete mathematics and their application to computer science and other fields.

**What is the application of the finite element method in dentistry?** By using the FEM, the authors could compare the elastic modulus and deformation of different types of bone, which helps clinicians to understand the process of bone remodeling, for further improvements of their surgery techniques.

**What is the real life application of difference equation?** Ordinary differential equations applications in real life are used to calculate the movement or flow of electricity, motion of an object to and fro like a pendulum, to explain thermodynamics concepts. Also, in medical terms, they are used to check the growth of diseases in graphical representation.

**What is the difference between finite difference method and finite element method?** Thus the finite difference method consists in replacing derivatives by finite differences with some ad hoc modification near the boundary, whereas the finite element method uses a variational formulation in a way that automatically accommodates the boundary conditions.

**What are the benefits of finite difference method?** An important advantage of the finite difference methodology is its simplicity. Another advantage is the possibility to easily obtain high-order approximations, and hence to achieve high-order accuracy of the spatial discretisation.

**What are the disadvantages of finite element method?** 2 Disadvantages of FEM FEM also depend on the quality and accuracy of the input data, such as geometry, material properties, boundary conditions, and loads. Any errors or uncertainties in the input data can affect the reliability and validity of the FEM results.

**What is the application of finite element method in structural engineering?** FEA Applications in Civil Engineering Applications extend to structural analysis, optimizing designs, predicting performance under diverse environmental conditions, and addressing challenges related to complex geometries.

**What are the benefits of finite element analysis?** One of the great benefits of finite element analysis is that it allows for the safe simulation of conditions that may be dangerous or difficult to replicate in a physical test environment. The results produced by FEA software are extremely detailed and accurate, offering a wide variety of conditions to test against.

**What is the practical application of finite element method?** The finite element method (FEM) is a widely accepted numerical method for solving problems in science and engineering. The adaptive virtue of this method offers a simple way to solve complex problems in structural analysis, heat transfer, fluid mechanics and electromagnetic fields among other applications.

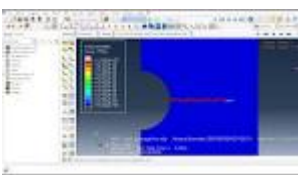
**What is an example of a finite set in everyday life?**

**What is a real life example of a finite automata?** One simple example of using finite automata to solve a real-life problem is the validation of credit card numbers. Finite automata can be employed to check whether a given credit card number is valid or not based on a set of predefined rules.

**What is an example of a finite element method?** FEM can be used, for example, to determine the structural mechanics of different parts of a car under different loading conditions, the heat flow through engine part, or the distribution of electromagnetic radiation from an antenna.

**What is finite element method in aerospace?** Finite Element Analysis (FEA), or the Finite Element Method (FEM) is a software tool used to model, analyse, and test component strengths and reactions under any number of variable conditions (extreme heat or pressure, for example).

**What is the application of FEM in orthodontics?** It enables the mathematical conversion and analysis of mechanical properties of a geometric object with wide range of applications in dental and oral health science. It is useful for specifying predominantly the mechanical aspects of biomaterials and human tissues that cannot be measured in vivo.



Figure

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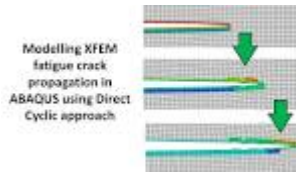
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**What are the three pieces of evidence for the endosymbiotic theory?** Evidence for the Theory of Endosymbiosis can be found in the DNA of mitochondria and chloroplasts, the way the organelles reproduce, and the internal structure and biochemistry of the organelles.

**How is endosymbiotic evidence for evolution?** 1: Endosymbiosis: Modern eukaryotic cells evolved from more primitive cells that engulfed bacteria with useful properties, such as energy production. Combined, the once-independent organisms flourished and evolved into a single organism.

**What evidence exists that supports the endosymbiotic theory Quizlet?** The endosymbiotic theory is based on mitochondria and chloroplasts of eukaryotes. Both structures have characteristics (such as their own DNA and the ability to self-replicate) of independent prokaryotes.

**Which discovery supported the endosymbiotic theory?** Answer and Explanation: The discovery of independent DNA (from the host) in mitochondria and chloroplasts supports the endosymbiotic theory. Mitochondria are able to grow and reproduce independently without needing help from the host's nucleus.

**What is the strongest evidence for the endosymbiotic origin?** Protein import is the strongest evidence we have for the single origin of chloroplasts and mitochondria. It is probably also the strongest evidence we have to sort out the number and nature of secondary endosymbiotic events that have occurred in evolution involving the red plastid lineage.

**Which is not one of the 4 evidences for endosymbiotic theory?** The chromosome similarity of organelles (mitochondria and chloroplast) does not support the endosymbiotic theory and having non-coding DNA.

**What is a modern day example of endosymbiosis?** Examples are nitrogen-fixing bacteria (called rhizobia), which live in the root nodules of legumes, single-cell algae inside reef-building corals, and bacterial endosymbionts that provide essential nutrients to insects.

**Which organelles provide evidence for the theory of endosymbiosis?** Endosymbiotic theory goes back over 100 years. It explains the similarity of chloroplasts and mitochondria to free-living prokaryotes by suggesting that the organelles arose from prokaryotes through (endo)symbiosis.

**Which statement provides evidence for endosymbiosis?** Final answer: Mitochondria and chloroplasts contain DNA similar to prokaryotic DNA, providing evidence for the endosymbiotic theory.

**Which two statements best support the endosymbiotic theory?** Final answer: The endosymbiotic theory is supported by two statements: chloroplasts and mitochondria have their own ribosomes, and

the enzymes in their inner membranes are similar to those in prokaryotic cells.

**Which evidence supports the endosymbiotic theory for the origin of mitochondria?**

Endosymbiotic theory is an amazing fact in the evolution. There are many strong evidences which support this theory. Mitochondria and chloroplast have their own circular DNA which replicates independent of the genomic DNA. Size of mitochondria and chloroplast is similar to that of prokaryotic cells.

**Which of the following is evidence to support the endosymbiotic theory responses?** The endosymbiotic theory is supported by multiple lines of evidence, including the fact that mitochondria and chloroplasts possess their own genomes, are surrounded by double membranes, and divide through a process that is similar to bacterial fission (mitosis).

**What evidence is there to support the endosymbiotic theory?** The evidence to support the endosymbiotic theory is that mitochondria and chloroplast have their own DNA and are capable of reproducing independently from the cell. Furthermore, they are the same size of a prokaryotic cell. Prokaryotic cells are smaller than eukaryotic cells.

**What are the three main sources of evidence for endosymbiosis?**

**Who proved endosymbiotic theory?** The endosymbiotic theory was articulated in 1905 and 1910 by the Russian botanist Konstantin Mereschkowski, and advanced and substantiated with microbiological evidence by Lynn Margulis in 1967.

**What are 3 facts that support the theory of endosymbiosis?**

**What are the three main points of the endosymbiotic theory?**

**Which statement best explains the evidence for the endosymbiotic theory?** Final answer: The statement 'All mitochondria have circular DNA' best supports the Endosymbiotic Theory as it is evidence that suggests mitochondria were once independent prokaryotic organisms.

**Which of the following statements shows evolutionary evidence for the endosymbiotic theory?**

Final answer: The endosymbiotic theory is supported by evidence such as the presence of own DNA and ribosomes in chloroplasts and mitochondria, suggesting their past existence as independent prokaryotic organisms.

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