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## **Teaching Biological Evolution In Higher**

Teaching Biological Evolution in Higher  
Education: Methodological, Religious,  
and Nonreligious Issues (Biological  
Science (Jones and Bartlett)) Paperback  
- November 19, 2004 by Brian J. Alters  
(Author)

## **Teaching Biological Evolution in Higher Education ...**

An important new book by the author of  
the bestselling text *Defending Evolution:  
A Guide to the Creation/Evolution  
Controversy*, *Teaching Biological  
Evolution in Higher Education* examines  
the controversial issues surrounding this  
central concept of life science; explores  
students' common scientific  
misconceptions; describes approaches  
for teaching topics and principles of  
evolution, and offers strategies for

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handling the various problems some students have with the idea of evolution due to ...

**Teaching Biological Evolution in Higher Education ...**

Teaching biological evolution in higher education : methodological, religious, and nonreligious issues. [Brian J Alters] -- "This book examines the controversial issues surrounding this central concept of life science, explores students' common scientific misconceptions, describes approaches for teaching topics and ...

**Teaching biological evolution in higher education ...**

TEACHING BIOLOGICAL EVOLUTION IN HIGHER EDUCATION:  
METHODOLOGICAL, RELIGIOUS, AND NONRELIGIOUS ISSUES (By: Brian Alters)  
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About The Author Reviewed by: Glenn Branch National Center for Science Education United States GLENN BRANCH

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is the deputy director of the National  
Center for Science Education, a non ...

### **TEACHING BIOLOGICAL EVOLUTION IN HIGHER EDUCATION ...**

An important new book by the author of the bestselling text *Defending Evolution: A Guide to the Creation/Evolution Controversy*, *Teaching Biological Evolution in Higher Education* examines the controversial issues surrounding this central concept of life science; explores students' common scientific misconceptions; describes approaches for teaching topics and principles of evolution, and offers strategies for handling the various problems some students have with the idea of evolution due to ...

### **[PDF] Download Teaching Biological Evolution In Higher ...**

The public controversy regarding the teaching of biological evolution is a reflection of the extensive diversity in society. However, no controversy exists

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in the scientific community regarding  
the fundamental claims of biological  
evolution. Scientists are in near  
unanimous agreement that biological  
evolution provides a strong explanatory  
and ...

### **ASTE Position Statement on Teaching Biological Evolution ...**

From the early 20th century onward,  
teaching biological evolution in the  
public schools has been a contentious  
issue. Although a series of federal court  
decisions has upheld the proper place of  
biological evolution in the curriculum,  
the struggle over evolution in the  
curriculum continues.

### **Why Teach Evolution? | National Center for Science Education**

A more appropriate way to teach  
evolution and to teach biology is to  
make clear to students how the  
concepts and principles of evolution are  
fundamental to modern science (in  
biology and many other disciplines) and

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are the integrating framework that  
guides biologists' questioning and  
understanding of the natural world.

### **Evolution Education across the Life Sciences: Making ...**

Approaches to Teaching Evolution.  
Perspective: Teaching Evolution in  
Higher Education citation and  
bibliographic information This paper  
presents statistics and explanations for  
students' (and the general public's)  
misunderstandings of and feelings  
toward evolution. The authors note that  
traditional pedagogy does little to  
unseat students' misconceptions, largely  
because the teaching is passive.

### **Teaching Evolution - SERC**

Evolution Resources A unifying concept  
in science, evolution asserts that nature  
has a history and that change through  
time has and continues to occur.  
Evolution is emphasized in teaching  
scientific disciplines with a historical  
component, like biology.

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## **Evolution | NSTA**

The National Science Teachers Association (NSTA) strongly supports the position that evolution is a major unifying concept in science and should be emphasized in K-12 science education frameworks and curricula.

## **The Teaching of Evolution | NSTA**

Some organizational theorists use biological evolution as the theoretical base of their work. Many such theorists in business have applied a new view of evolution, that of punctuated equilibria, but those in higher education have not. The new theory has implications for leadership and change in college administration. (Author/MSE)

## **ERIC - EJ457694 - The New View of Biological Evolution ...**

A fun way to help students understand DNA mutations in evolution is the childhood game of Telephone—with an evolution-related twist. This game has



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several parallels to aspects of evolution. Students will enjoy modeling how microevolution can change a species over time.

### **5 Classroom Activities That Demonstrate Evolution**

Ask any high school biology instructor: Teaching kids about evolution is a science. Students' reactions to the theory of how life evolved on earth are as diverse as the species on this planet.

### **The evolution of teaching evolution - The Hechinger Report**

the inquired creationists recognize that the teaching of biological evolution is essential in modern science. 1. Introduction . Supported by a large body of evidence, the topic of biological evolution has become a major pillar of modern science. Indeed, it is hard to find a student that has not been in contact with the Darwinian

### **Does the Scientific Progress**

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### **Teaching Biological Evolution In Higher Education ...**

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### **Biology Faculty Jobs - HigherEdJobs**

Importantly, teaching genetics before teaching evolution has a significant ( $p < 0.001$ ) impact on improving evolution understanding by 7% in questionnaire scores beyond the increase seen for those taught in the inverse order. For lower ability students, an improvement in evolution understanding was seen only if genetics was taught first.

### **Teaching genetics prior to teaching evolution improves ...**

With his wife Sandra M. Alters, he has written Biology: Understanding Life

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which he describes as "a university biology non-majors textbook", and Teaching Biology in Higher Education, "a book written to instructors at the college level on how to teach biology". He is also the author of Teaching Biological Evolution in Higher Education: Methodological, Religious, and Non-Religious Issues which he says is "a book specifically about the conflict that instructors see students bring into their ...

### **Brian Alters - Wikipedia**

The endless debate over the teaching of Charles Darwin's theory of evolution has now moved from the high schools to the universities. In this debate, the advocates of "intelligent design theory" say that this should be taught as a scientific alternative to Darwin's theory. It's time to consider radical ideas for resolving this dispute.

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