

# AI in the Classroom



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AI Workshop  
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# Understanding the Limits of AI



Critique output for accuracy

Examine output for biases and stereotypes

What is the amino acid sequence for AUGGUCGCAGGAUUAAGGGAG?

Give me a picture of a scientist.

# Give me a picture of a scientist



**You**

give me a picture of a scientist



**ChatGPT**

I can't directly provide images, but I can describe one for you! Imagine a scientist in a white lab coat, with pens peeking out of the pocket. They might be wearing safety goggles, and their hair could be tied back or hidden under a hairnet. They're likely surrounded by various scientific equipment such as beakers, test tubes, and microscopes, either conducting experiments or analyzing data with a focused expression. Their environment might be a laboratory filled with shelves of books, charts, and scientific instruments.



Give me a picture of a scientist



# Using AI as a Tool for Learning



Generate practice problems  
Provide feedback on a paper  
Check grammar and spelling  
Brainstorm ideas

# Minimizing the Use of AI

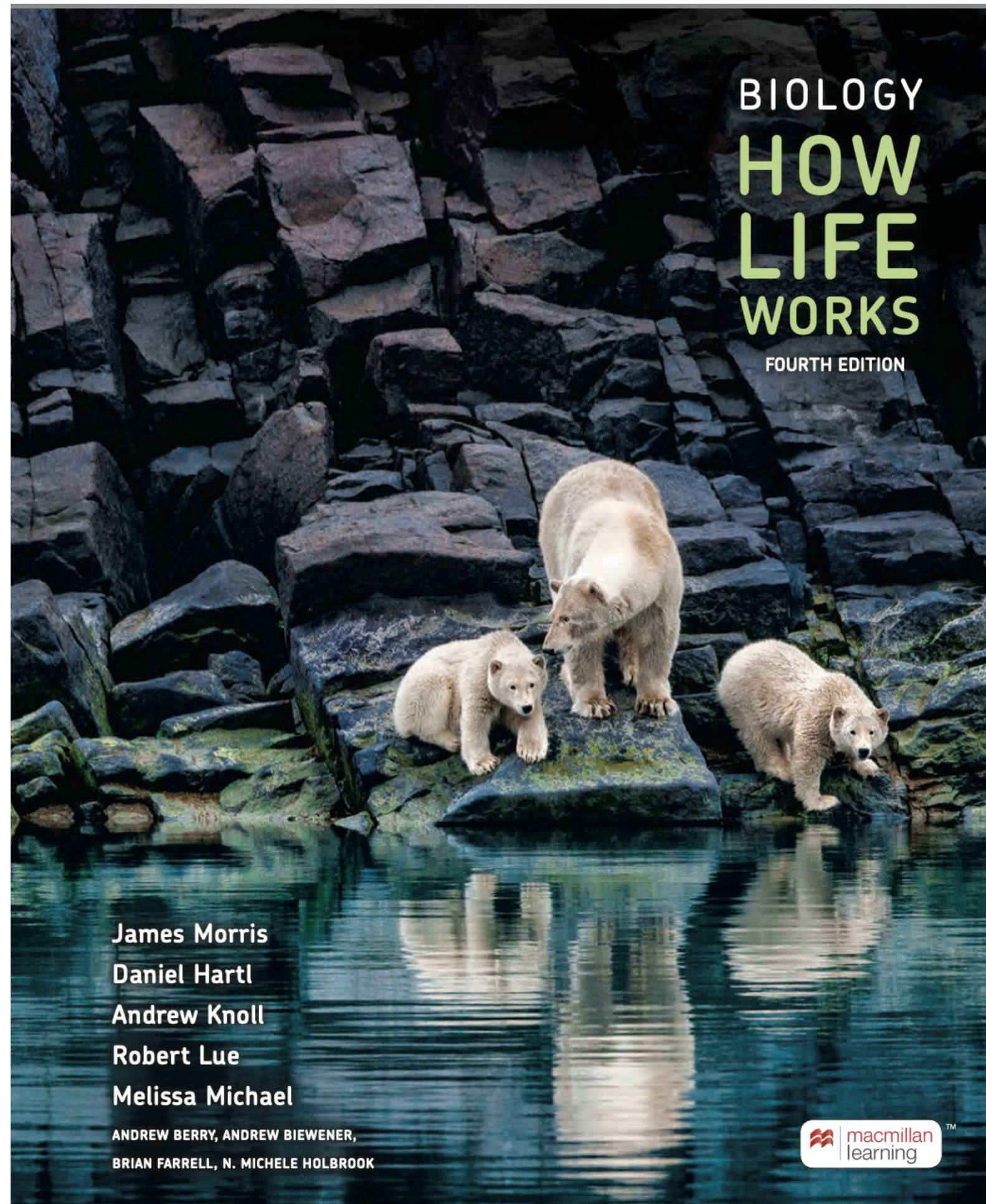


Include information from class  
Incorporate very recent papers  
Build work in steps with reflection  
Ask students to draw by hand  
Have students present work orally

# Enabling the Use of AI



Project-based learning



# Primer: Generative AI

## Study Session 1 Introduction to Generative AI

START ACTIVITY

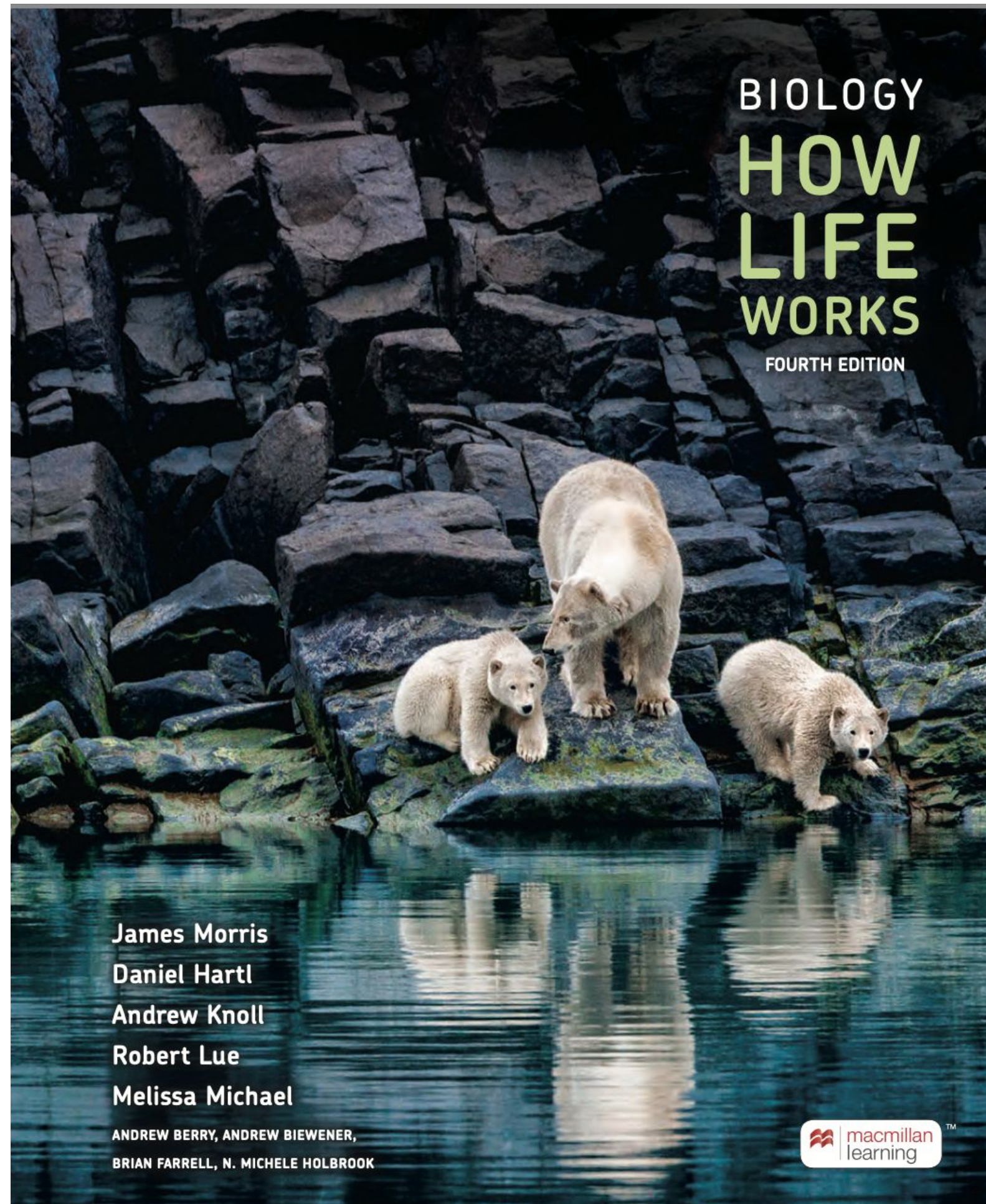
## Study Session 2 Generative AI in Learning and Research

START ACTIVITY

## Study Session 3 Limitations and Responsible Use of Generative AI

START ACTIVITY





# AI Tutor

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