

<<生物心理学>>

图书基本信息

书名：<<生物心理学>>

13位ISBN编号：9787115175236

10位ISBN编号：7115175233

出版时间：2008-3

出版时间：人民邮电出版社

作者：James W.Kalat

页数：582

版权说明：本站所提供下载的PDF图书仅提供预览和简介，请支持正版图书。

更多资源请访问：<http://www.tushu007.com>

<<生物心理学>>

内容概要

这是由詹姆斯·卡拉特撰写的《生物心理学》到2007年已连续修订至第9版，多年来一直是该领域第一畅销书，也是美国相应课程采用量最大的教材。

全书共15章，分别论述了神经细胞与神经冲动、突触、神经系统的解剖构造、脑的发育和可塑性、感觉系统、觉醒与睡眠、生殖行为、情绪行为、心理障碍等问题。

本书写作风格清新幽默，详略得当，案例丰富详细，学术水平高，为许多重大问题本质的理解提供了非常好的观点和视角，不仅向读者展示了生理学方面的发展，还展示了神经科学、基因学以及进化心理学等领域的知识和成就。

本书适合用作心理学专业、认知神经科学、医学专业的教材或教学辅助材料。

<<生物心理学>>

书籍目录

1 The Major Issues

Module 1.1 The Mind-Brain Relationship

Biological Explanations of Behavior

The Brain and Conscious Experience

Research Approaches

Career Opportunities

In Closing: Your Brain and Your Experience

Summary

Answers to Stop & Check Questions

Thought Questions

Author's Answer About Machine Consciousness

Module 1.2 The Genetics of Behavior

Mendelian Genetics

Chromosomes and Crossing Over

Sex-Linked and Sex-Limited Genes

Sources of Variation

Heredity and Environment

Possible Complications

Environmental Modification

How Genes Affect Behavior

The Evolution of Behavior

Common Misunderstandings About Evolution

Evolutionary Psychology

In Closing: Genes and Behavior

Summary

Answers to Stop & Check Questions

Thought Questions

Module 1.3 The Use of Animals in Research

Reasons for Animal Research

The Ethical Debate

In Closing: Humans and Animals Summary

Answers to Stop & Check Questions

Chapter Ending Key Terms and Activities Terms

Suggestions for Further Reading

Websites to Explore

Exploring Biological Psychology CD ThomsonNOW

2 Nerve Cells and Nerve Impulses

Module 2.1 The Cells of the Nervous System

Anatomy of Neurons and Glia

EXTENSIONS AND APPLICATIONS Santiago Ramón y Cajal, a Pioneer of

Neuroscience

The Structures of an Animal Cell

The Structure of a Neuron

Variations Among Neurons Glia

The Blood-Brain Barrier

<<生物心理学>>

Why We Need a Blood-Brain Barrier

How the Blood-Brain Barrier Works

The Nourishment of Vertebrate Neurons

In Closing: Neurons

Summary

Answers to Stop & Check Questions

Module 2.2 The Nerve Impulse

The Resting Potential of the Neuron

Forces Acting on Sodium and Potassium Ions

Why a Resting Potential?

The Action Potential

The Molecular Basis of the Action Potential

The All-or-None Law

The Refractory Period

Propagation of the Action Potential

The Myelin Sheath and Saltatory Conduction

Local Neurons

Graded Potentials

EXTENSIONS AND APPLICATIONS Small Neurons and Big

Misconceptions

In Closing: Neural Messages

Summary

Answers to Stop & Check Questions

Thought Questions

Chapter Ending Key Terms and Activities

Terms

Suggestions for Further Reading

Websites to Explore

Exploring Biological Psychology CD

ThomsonNOW

3 Synapses

4 Anatomy of the Nervous System

5 Development and Plasticity of the Brain

6 Vision

7 The Other Sensory Systems

8 Movement

9 Wakefulness and Sleep

10 Internal Regulation

11 Reproductive Behaviors

12 Emotional Behaviors

13 The Biology of Learning and Memory

14 Cognitive Functions

15 Psychological Disorders

In Closing: The Fascination of Schizophrenia

Summary

Answers to Stop & Check Questions

Thought Questions

<<生物心理学>>

Chapter Ending Key Terms and Activities Terms

Suggestions for Further Reading

Websites to Explore

Exploring Biological Psychology CD

ThomsonNOW

A Brief, Basic Chemistry

B Society for Neuroscience Policies on the Use of Animals and Human

Subjects in Neuroscience Research

References

Name Index

Subject Index/Glossary

版权说明

本站所提供下载的PDF图书仅提供预览和简介，请支持正版图书。

更多资源请访问:<http://www.tushu007.com>