

# Physiology Of The Eye

*A 3-D animated exploration illustrating how the parts of the eye work together to produce vision.*

## *Product Features*

Full-Color Graphic and Animations	Exterior and Cross-Sectional Views of the Eye and its Components
More than a Dozen Animated Movies	Virutal Reality Panoramas
Explanations of Common Eye Diseases and Treatments	Timeline of Visual Development
Physics of Vision Module	Interactive Visual Illusions
On-Screen Vision Tests	Interactive Diagrams

## *Grade Level*

**Senior High • College • University**

## *Detailed Product Information:*

On this CD-ROM, students will study the physics of light and color – and how our eyes interpret both – through a series of exercises. They will interact and respond to a collection of visual illusions in order to better understand how the eye can fool the brain into seeing things that aren't really there. Common health related issues are discussed and illustrated as are the current medical interventions that may be used to correct them. Students can take an on-screen eye examine to test their own visual acuity and to gain an insight into the variety of different tests that are used to diagnosis of eye conditions. The use of laser eye treatment as a remedy for reduced visual capacity is examined and the actual surgical procedure is demonstrated in video. A comprehensive index and cross-referencing completes the package.

With Physiology of the Eye you will explore the structure of the human eye, down to the scale of individual cells in the retina. At any time you can view 3D animations demonstrating how the parts of the eye work together to produce our miraculous sense of sight. Animations explore the functioning of normal, healthy eyes, and also eyes affected by normal aging or disease. Full color, interactive diagrams identify the components of the human visual system, from the muscles which control eye movements, to a detailed cross-section of the retinal layers.

Product Hyperlinks:

[http://www.iknow.net/CDROMs/eyephys\\_cdrom/anatomy/index.html](http://www.iknow.net/CDROMs/eyephys_cdrom/anatomy/index.html)

[http://www.iknow.net/CDROMs/eyephys\\_cdrom/eyephys.html](http://www.iknow.net/CDROMs/eyephys_cdrom/eyephys.html)

[http://www.iknow.net/CDROMs/eyephys\\_cdrom/eyeconditions.html](http://www.iknow.net/CDROMs/eyephys_cdrom/eyeconditions.html)

[http://www.iknow.net/CDROMs/eyephys\\_cdrom/light.html](http://www.iknow.net/CDROMs/eyephys_cdrom/light.html)

[http://www.iknow.net/CDROMs/eyephys\\_cdrom/geometry.html](http://www.iknow.net/CDROMs/eyephys_cdrom/geometry.html)

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*System Requirements:*

**Windows**

- Pentium processor with 64 MB RAM
- Windows ME, 98, NT, 2000, XP
- 4x CD-ROM drive
- 16-bit sound card
- full-color monitor
- QuickTime 5.0.2 or later installed

**Macintosh**

- PowerPC processor with 32 MB RAM
- 4x CD-ROM drive
- MacOS 9.x, 10.1 or later
- full color monitor
- QuickTime 5.0.2 or later installed

*List Price:*

Physiology of the Eye, Hybrid CD, Single User  
Item: 99519201      Price: \$89.00

Physiology of the Eye, Hybrid CD, 5 Pak  
Item: 98519205      Price: \$178.00

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## *Technical Support:*

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