Welcome To Your Brain

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References and further reading
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http://welcometoyourbrain.com
References and further reading

To delve more deeply into neuroscience, a good place to start is *Neuroscience: Exploring the Brain*, by Mark F. Bear, Barry W. Connors, and Michael A. Paradiso (Lippincott, Williams, and Wilkins) or *Neuroscience* by Dale Purves *et al.* (Sinauer and Associates). An advanced reference with a medical emphasis is *Principles of Neural Science* by Eric R. Kandel, James H. Schwartz, and Thomas M. Jessell (McGraw-Hill Medical). The magazine *Scientific American Mind* is an excellent way to keep up with recent discoveries.

For high school students, if you find this book interesting we encourage you to consider a career as a neuroscientist. Working neuroscientists often find it helpful to have some background in at least a few of the following areas: biology, chemistry, computer science, engineering, genetics, mathematics, physics, and psychology. Come on in, the water's fine!

The following references give more details about topics in the book and can be found at http://welcometoyourbrain.com.

**Chapter 1**


**Chapter 2**


**Chapter 3**


Chapter 4

Chapter 5

Chapter 6
Interesting visual illusions that exploit the quirks of the brain's visual system can be found at http://www.michaelbach.de/ot/index.html.


**Chapter 7**


**Chapter 8**


**Chapter 9**

The quote on prediction has been ascribed to both Niels Bohr and Yogi Berra. We can't find evidence for who said it first.


Chapter 10


Chapter 11


Chapter 12

Chapter 13

Chapter 14


**Chapter 15**


**Chapter 16**


K.N. Ochsner, J.J. Gross (2005), op. cit. (see Chapter 14).


Chapter 17


Chapter 18


Chapter 19
The concept that a species-wide trait such as variability can have an evolutionary advantage is controversial because it goes against the standard view that selection occurs only at the level of individuals. However, theoretical modeling suggests that group selection is possible for complex traits, such as personality, that are determined by many genes. For a current view see http://en.wikipedia.org/wiki/Group_selection.


Chapter 20


**Chapter 21**


**Chapter 22**


**Chapter 23**


**Chapter 24**


Chapter 25

Chapter 26

Chapter 27


**Chapter 28**


Chapter 29


Chapter 30


**Chapter 31**


Afterword


