

YOUR AMAZING BRAIN

Insight into the structure

and activity of the brain

and how it works

Marge Engelman



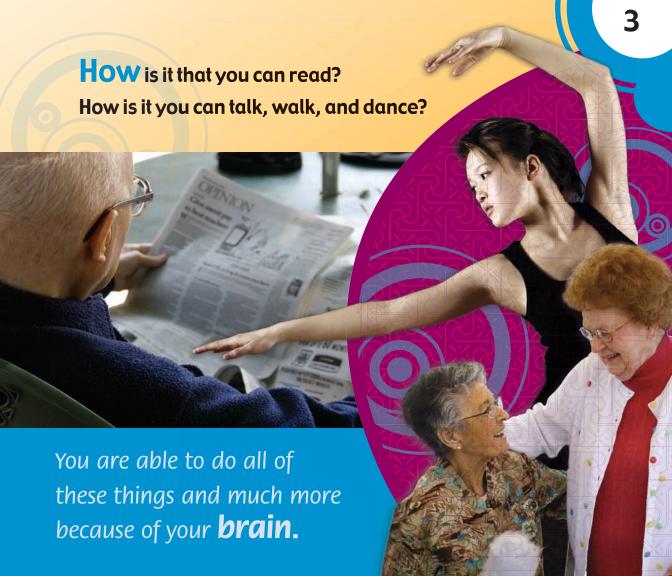
By Marge Engelman
Edited by Joni Nygard
Graphic Design by Jennifer Conn
Photos by Sarah Elizabeth Sprague,
pgs. 3, 10, 11, 18, 20–23, 26.

An Attainment Company Publication
©2008 Attainment Company, Inc., All rights reserved.
Printed in China
ISBN: 1-57861-650-6



Attainment Company, Inc.

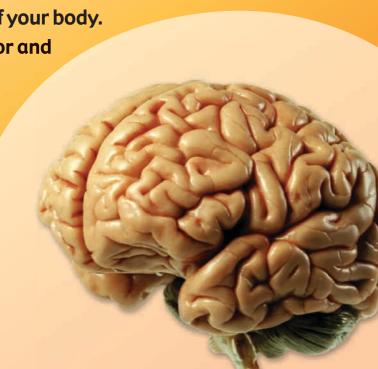
P.O. Box 930160 Verona, Wisconsin 53593-0160 USA 1-800-327-4269 www.AttainmentCompany.com



How does your **memory** work? How do **alcohol** and **coffee** affect your brain? How can you keep your brain healthy as you **get older**?

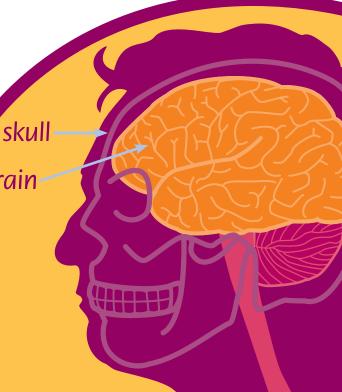
The brain is the manager of your body.
It responds to your behavior and
your every day actions. In
many ways it determines
who you are.

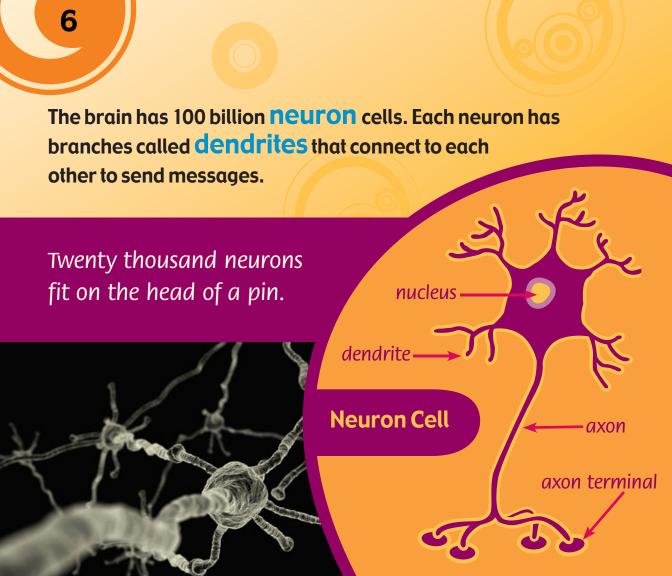
The average brain weighs about three pounds, about the size of a medium cantaloupe.



It is highly convoluted, soft and pinkish-gray in color. It is the most complicated piece of equipment in the universe.

The brain fits inside a protective skull made of hard bones.



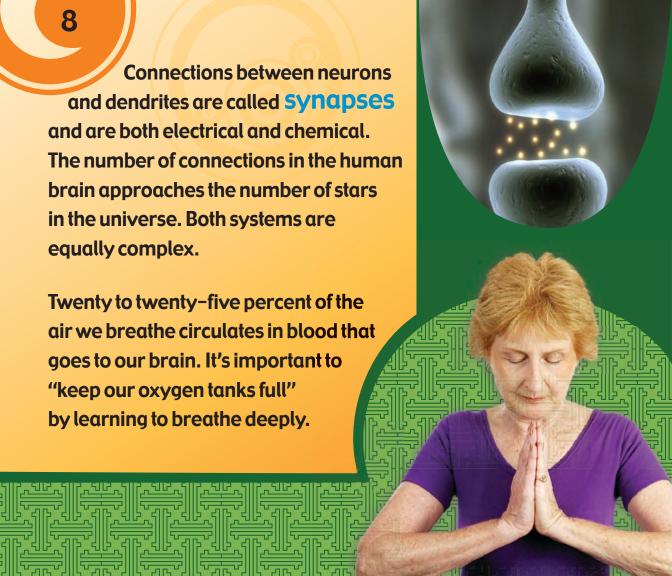




The human brain can store more information than all the libraries in the world.

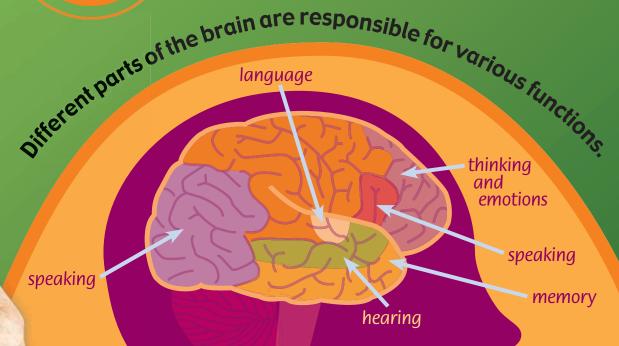
There are as many neurons in the brain as there are trees in the Amazon Forests.

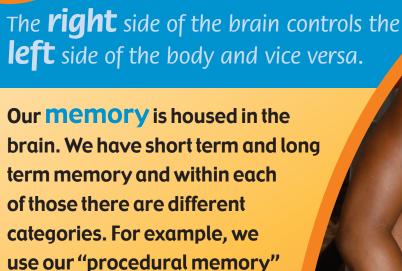
The total length of the dendrites would equal 100,000 miles.





The **mind** is what the brain does—
it's sometimes described as software
running on the hardware of the brain.





You automatically remember how to tie your shoes, walk, and ride a bike.

without thinking about it.



Many factors can affect your memory: physical and mental activity, diet, medical conditions, fatigue, depression, anxiety, stress, information overload.

The brain is also where our moods

and feelings originate. Liquids called neurotransmitters bathe the neurons and affect how we feel.

