

# the BODY IN FOCUS™

2 Disks

4L-0752

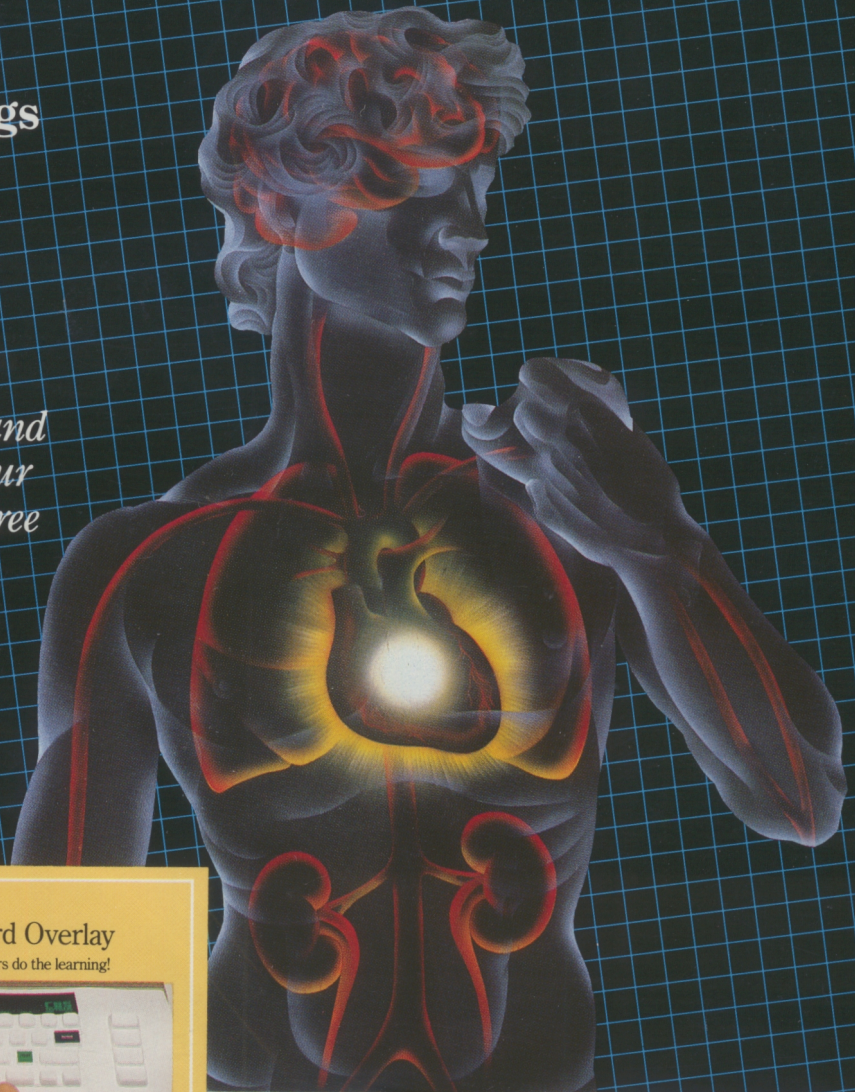
For APPLE® II+//IIe//IIc

48K Required

Explore the  
Inner Workings  
of the Human  
Body, Layer  
by Layer!

*Improve your  
understanding of  
human anatomy and  
biology and test your  
knowledge with three  
exciting learning  
activities.*

*For ages 10 to Adult.*



Includes  
EasyKey™ Keyboard Overlay

The fast, simple way to let your fingers do the learning!



Use only with The Body in Focus computer activity.



**CBS**  
SOFTWARE

# the BODY IN FOCUS™

From the slightest muscle contraction to the simple beating of the heart to the complexities of locomotion, our muscular system is just one of the many wonders of the human body. Now you and your family can uncover the body's inner workings and improve your understanding of systems and organs, as well as their functions and locations.

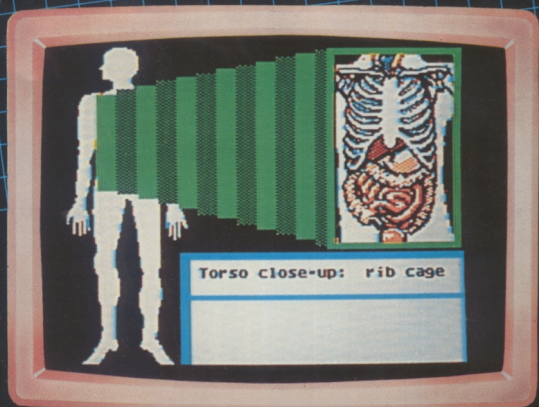
A literal "visible body," THE BODY IN FOCUS is a scientifically-accurate, self-paced exploration into human anatomy in which you can discover how your body works. Three interactive learning activities provide in-depth coverage of major bones, organs and functions of the human body. *Body Close-Ups* allows you to peel away layer after layer to explore parts of the body in fine detail. *Body Systems* is a look into eight major body systems where you'll actually observe the mechanisms behind breathing, eating, pumping blood, moving muscles, even sneezing! And *Body I.Q.* is an exciting knowledge game that lets you have fun testing what you know as you learn even more!

The EasyKey™ keyboard overlay makes THE BODY IN FOCUS even more fun! Made of durable, flexible vinyl, it fits snugly over the computer keyboard to actually become the program menu! You can quickly select options, call up data and answer questions without ever having had any typing or computer experience. With the EasyKey, you determine where and when your investigations begin and end.

#### Developed by Neosoft, Incorporated.

Founded by award-winning professionals in industrial design, computer graphics, educational game development and electronics, Neosoft has pioneered a new concept in computer interaction. Their development of activities using their EasyKey keyboard overlay makes it easier than ever for families to explore new worlds of discovery with the computer.

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#### FEATURES:

##### EasyKey Keyboard Overlay

Eliminates barriers to computer use. Move from screen to screen throughout each activity at the touch of a button.

##### Self-Paced Learning System

Take as much or as little time as you want to review facts and concepts. Repeat a display or ask the program to tell you more!

##### High-Resolution Animated Color Graphics

The dynamic nature of the body vividly unfolds before your eyes as organs and features are examined in graphic detail. Learn where organs are located and see systems in action!

##### Eight Major Body Systems

Integumentary (skin), muscular, digestive, nervous, skeletal, respiratory, circulatory and endocrine.

##### Detailed Close-Ups

Delve even further into the layers of the human head, arm and torso.

##### Comprehensive Program Guide

Illustrates the structure and functions of the human body, including the reproductive system. Provides resource materials for independent study.

##### Limited 90-Day Warranty

*The scientific data and graphic representations in THE BODY IN FOCUS have been carefully reviewed by Saunders Software, a division of W.B. Saunders, one of the world's most respected publishers of medical texts.*

**CBS**  
SOFTWARE

No. 10500 0



4L 0743

ISBN 0-03-810500-4

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# BODY

# IN FOCUS™

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**CS**  
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*the*  
**BODY**  
**IN FOCUS™**

For APPLE® II+/IIe/IIc 48K

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**CBS**  
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**EasyKey™**  
Apple® IIe/IIc  
Keyboard  
Overlay

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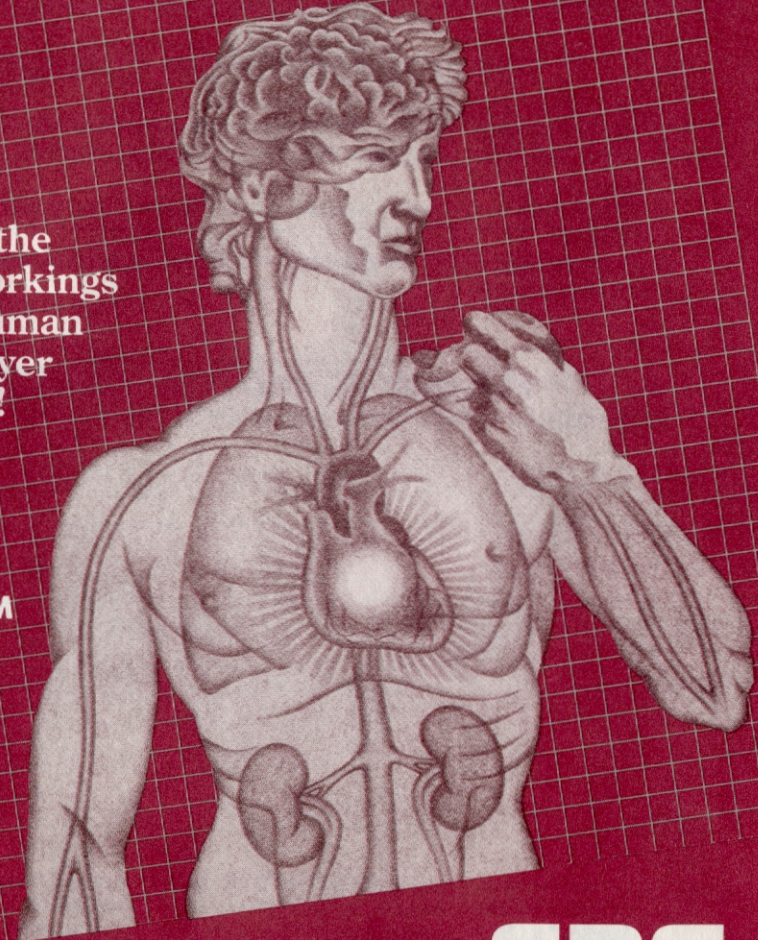
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# the BODY IN FOCUS™

Explore the  
Inner Workings  
of the Human  
Body, Layer  
by Layer!

PROGRAM  
GUIDE



## LOADING YOUR PROGRAM

### FOR APPLE® II+ /IIe/IIc COMPUTERS

1. Insert **Disk 1** into your disk drive and close the drive door.
2. Your program comes with two EasyKey keyboard overlays, one for the Apple II+ and one for the Apple IIe and IIc. Select the correct EasyKey and place it over your computer's keyboard.
3. Turn your computer and monitor on. Adjust the volume on the monitor.
4. When the title screen appears, locate the green START key and press it. You will hear a short tune, after which your program will start. If you hear a short buzz when you press START, you are using the wrong EasyKey.

### FOR COMMODORE 64™ COMPUTERS

1. Insert **Disk 1** into your disk drive and close the drive door.
2. Turn your computer, disk drive and monitor on. Adjust the volume on the monitor.
3. Type **LOAD "CBS"**, **8** and press **RETURN**. Then type the word **RUN** and press **RETURN** again.
4. When the title screen appears, place the EasyKey keyboard overlay over your computer's keyboard.
5. Locate the green START key and press it. You will hear a short tune, after which your program will start.

### FOR IBM® PC AND PCjr. COMPUTERS

Please refer to the enclosed reference sheet entitled "Loading Instructions."

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## WELCOME TO THE BODY IN FOCUS™

Developed by Neosoft, Incorporated  
 Medical Consultants: Saunders Software  
 A Division of W. B. Saunders

This program guide will help you as you embark upon a fascinating in-depth examination of the human body, its systems and its functions. Scientifically accurate, graphically detailed activities help you to freely explore the human body and test your knowledge at your own pace.

THE BODY IN FOCUS is divided into two parts. Disk 1 contains *Body Systems* and *Body Close-Ups*, two activities that introduce you to major systems of the body and to the functions of their organs, glands and bones.

Disk 2 features *Body I.Q.*, a randomly-generated quiz of 20 questions using elements of what you looked at on Disk 1. Each time you use it, your score will improve. You'll become a human body whiz kid in no time!

### Program Disks

It is not necessary to use the disks in order. As a matter of fact, you may want to put what you already know to the test by starting off with *Body I.Q.* on Disk 2. See how well you do and then use *Body Systems* and *Body Close-Ups* to explore areas of the body about which you'd like more information. Then take a *Body I.Q.* test again and see how much your score has improved!

Each disk opens with an Activity Selection menu that lists all the activities in the program. This menu matches the activity keys on your EasyKey.

### The EasyKey™ Keyboard Overlay

Included with THE BODY IN FOCUS is an EasyKey keyboard overlay designed to fit over your computer's keyboard. Never try to use the program without the EasyKey in place. Here are just some of its features:

- The green START key. For each disk, pressing the START key starts the program from the beginning.
- The name of each activity is indicated by a

key on the EasyKey. Note that each one is a particular color and matches the color of the keys to be used within that activity. If you want to change activities, simply press any key that matches the color of the new activity (except for *Body I.Q.*; press the blue key labeled BODY I.Q.). You may do this at any time during the course of the program.

- The SOUND key is indicated by a note of music. Press this key at any time to turn the music on and off. This can be done even in the middle of a tune or melody.

### TAKING CARE OF THE EASYKEY

The EasyKey keyboard overlay is made of tough, flexible vinyl. You can use it as often as you like, but you must treat it carefully to keep it in good condition.

- Keep the EasyKey away from sharp objects that may cut or puncture it.
- Keep the EasyKey away from heat and out of direct sunlight.
- Do not write on the EasyKey.
- If the EasyKey gets dirty, carefully wipe it with a damp cloth dipped in mildly soapy, lukewarm water.
- Return the EasyKey to the program storage case when you are not using it.



# THE BODY IN FOCUS ACTIVITIES

Each of the following activities is a self-contained, self-paced learning adventure. With the exception of *Body I.Q.* (which is limited to 20 randomly-generated questions each time it is selected), you may spend as much or as little time as you wish with each activity.

## Body Systems

This activity consists of in-depth, animated explorations of eight major body systems. You'll observe how the body breathes, eats, hears, pumps blood, moves muscles and even sneezes!

The eight major body systems covered by THE BODY IN FOCUS are:

INTEGUMENTARY	MUSCULAR
DIGESTIVE	NERVOUS
SKELETAL	RESPIRATORY
CIRCULATORY	ENDOCRINE

To use *Body Systems*, decide upon which system you'd like to explore and press the appropriately labeled red key on the EasyKey. Again, you determine the pace and the sequence at which you proceed. Within each system, you will use the following three red activity keys:

**GO ON**—Press this key to continue your investigations into that body system.

**REPEAT**—Press this key to instantly replay an animation sequence, pointer or effect, or to recap information.

**TELL ME MORE!**—*Press this key when the screen displays an exclamation point (!) in the lower right-hand corner.* This indicates that there is more in-depth information available about the specific fact, system or organ on the screen.

■ Some body system keys are linked to other red keys (for example, **INTEGUMENTARY** is linked to **GOOSE BUMP**). These other keys graphically demonstrate some of the more interesting functions of the body and operate only while exploring the specific body system they are linked to. The program itself will alert you as to when to press these keys.

### INTEGUMENTARY SYSTEM

An *integument* is a coat, skin, shell, rind or other protective surface structure. When speaking about the human body, the *integumentary system* refers to the organs, glands and functions of our skin.

If the flashing cursor (used to point out system components) goes too quickly at first, just press **REPEAT** to see it again.

Be sure to press **GOOSE BUMP** several times to examine the "hair-raising" action of the follicle's muscle!

### MUSCULAR SYSTEM

Remember, the exclamation point (!) in the lower right-hand corner means that there's more to see. Press **TELL ME MORE!**

Try continually pressing the **BICEP** and **TRICEP** keys one right after the other. You'll see the action of the two muscles as they work against each other to move the arm.

### DIGESTIVE SYSTEM

First, **GO ON** through the entire digestive process. After the fact that begins "Remaining material..." appears, press **REPEAT**. You'll see the entire digestive process animated in one uninterrupted cycle.

Watch for the many exclamation points (!).

### NERVOUS SYSTEM

The action of the ear can be examined by pressing **HIGH PITCH** and **LOW PITCH**. Note that the higher the pitch, the faster the eardrum moves.

### SKELETAL SYSTEM

The animated skeleton moves rather quickly, so press **REPEAT** a number of times to get a closer look at the action.

Press **NEXT BONE** and **SHOW IT** to discover the names and locations of many bones.

### RESPIRATORY SYSTEM

Once again, press **REPEAT** during the breathing sequence to observe the complete cycle.

Press **SNEEZE** several times to study all the events that comprise a sneeze. Watch the vocal cords open and close, the lungs expand and compress, and the quick action of the tongue to seal off the mouth.

### CIRCULATORY SYSTEM

Press **REPEAT** to quickly replay the entire circulation sequence.

Listen for the beat of the pumping heart coordinated with the action of the valves.

### ENDOCRINE SYSTEM

Watch the graphics closely for the positions of the glands, each in a different color.

## Body Close-Ups

Explore parts of the human body in finer detail, layer by layer! The three major body areas covered in this activity are:

HEAD      ARM      TORSO

To use *Body Close-Ups*, decide upon which area you'd like to explore and press the appropriately labeled blue key on the EasyKey. The selected area will "zoom up" for detailed inspection. You control the pace, order and depth of detail with the following four blue activity keys:

**REVEAL**—Press this key to peel away a layer to reveal the organs underneath.

**CONCEAL**—Press this key to restore a layer.

**NEXT**—Press this key to learn the names and positions of each of the organs and parts featured within a layer.

**TELL ME MORE!**—Press this key to uncover in-depth information about the organ indicated on the screen.

Use **REVEAL** and **CONCEAL** alternately to quickly compare the layers and positions of the organs in the body. This is especially helpful in the close-up of the torso, wherein you'll come away with a better idea of how the organs of the torso are situated within three dimensions. For example, take note of how the rib cage surrounds the lungs, how the lungs surround the heart and how the liver is positioned diagonally over and around the stomach.

## Body I.Q.

This activity allows you to test your overall knowledge of the human body. To achieve high scores, you'll be required to point out various parts of the body and answer multiple-choice questions.

To use *Body I.Q.*, make sure Disk 2 is inserted in your disk drive and press the purple key labeled **BODY I.Q.** The computer will select a topic at random and display a graphic image to accompany the test. The computer may focus on a specific organ, such as the heart, or a general body system, such as the skeletal system.

You will then be asked to move the flashing cursor to point to a specific organ or feature of the body. Press the *purple Arrow Keys* to move the cursor in the desired direction. Then press **ENTER** to lock in your answer.

If you correctly point out the requested organ or feature, you earn five points. If you miss, try again. If you find it on your second attempt, you earn two points. If you still need help, the computer will show you the answer.

After this identification question, you'll be asked three multiple-choice questions on the topic. Press the purple letter keys, A, B and C, to indicate your answer. A correct answer on the first try earns you five points. If you answer incorrectly, the wrong answer is removed and then you may try again, this time for two points. If you miss again, the correct answer is left on the screen, after which the next question will appear\*.

When you've completed all four questions within the first topic, the computer will select another one and the activity will continue. After five topics, you'll see your final score, plus a special message of congratulations (or consolation)! There are over 200 questions in all. And if a question ever does repeat, the order of the answer choices will be different every time.

At the end of this activity, the program returns to the Activity Selection menu. You may press **BODY I.Q.** again for another crack at it or change disks to use the other activities.

*\*Note: A few topics do not contain an identification question. In these cases, four multiple-choice questions will be given.*

# THE BODY IN FOCUS ILLUSTRATION PLATES

Included with THE BODY IN FOCUS software program is a selection of illustrations based on plates prepared by the staff of W.B. Saunders, world renowned publisher of textbooks and reference materials for medical researchers and practitioners. These illustrations offer you the opportunity to learn even more about the structure and functions of the human body and also highlight many anatomical and systemic differences between the bodies of males and females.

## RESPIRATORY SYSTEM AND HEART

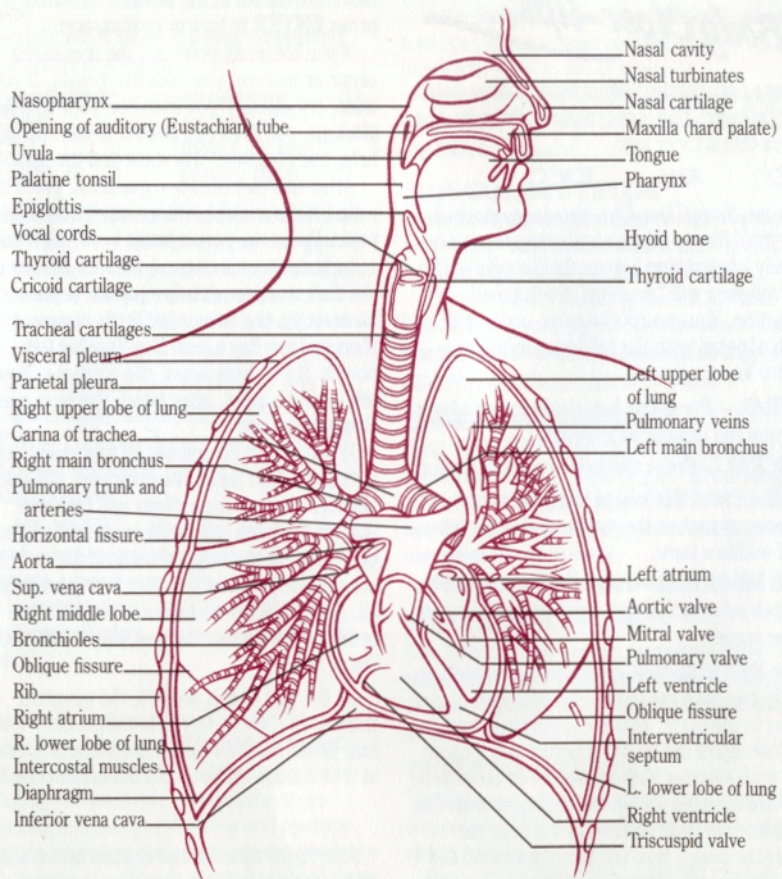


PLATE 1

## DIGESTIVE SYSTEM

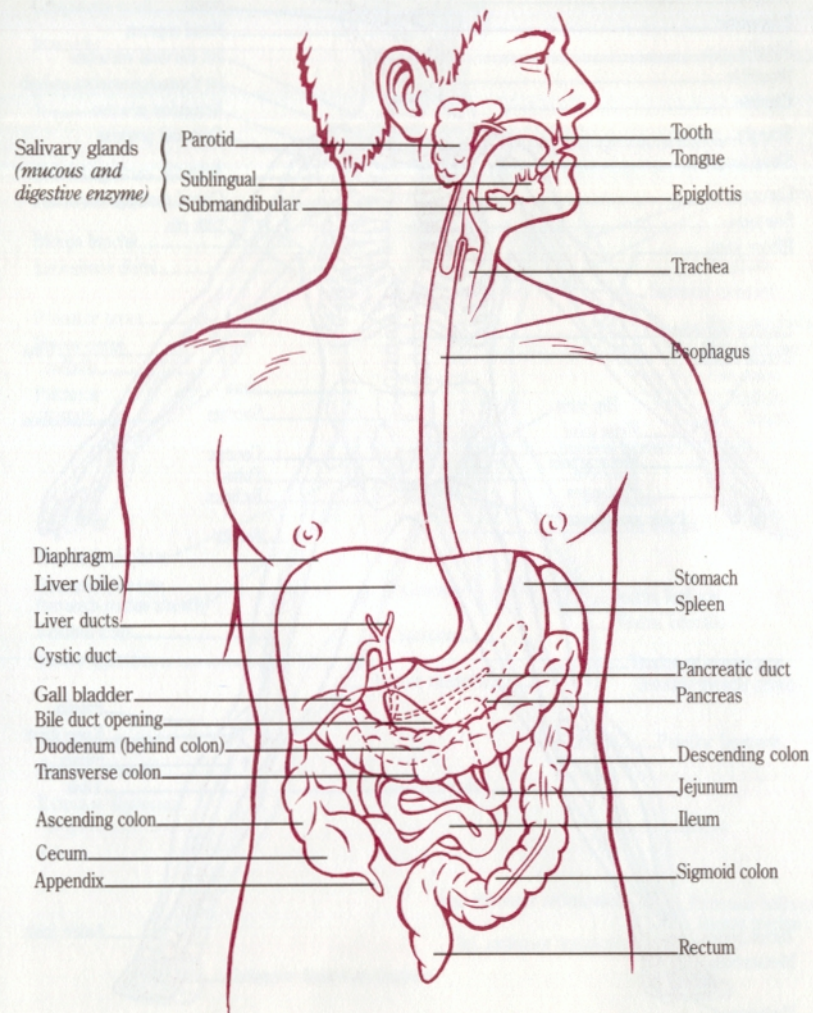


PLATE 2

SKELETAL SYSTEM

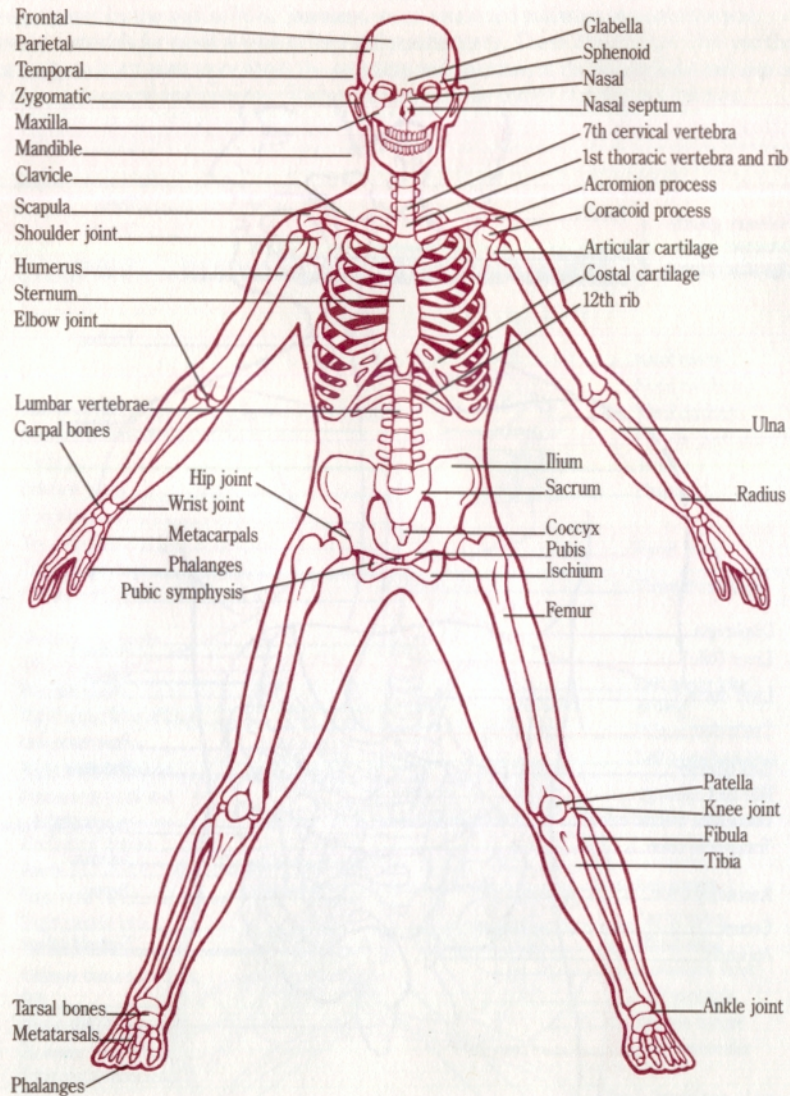


PLATE 3

SKELETAL MUSCLES

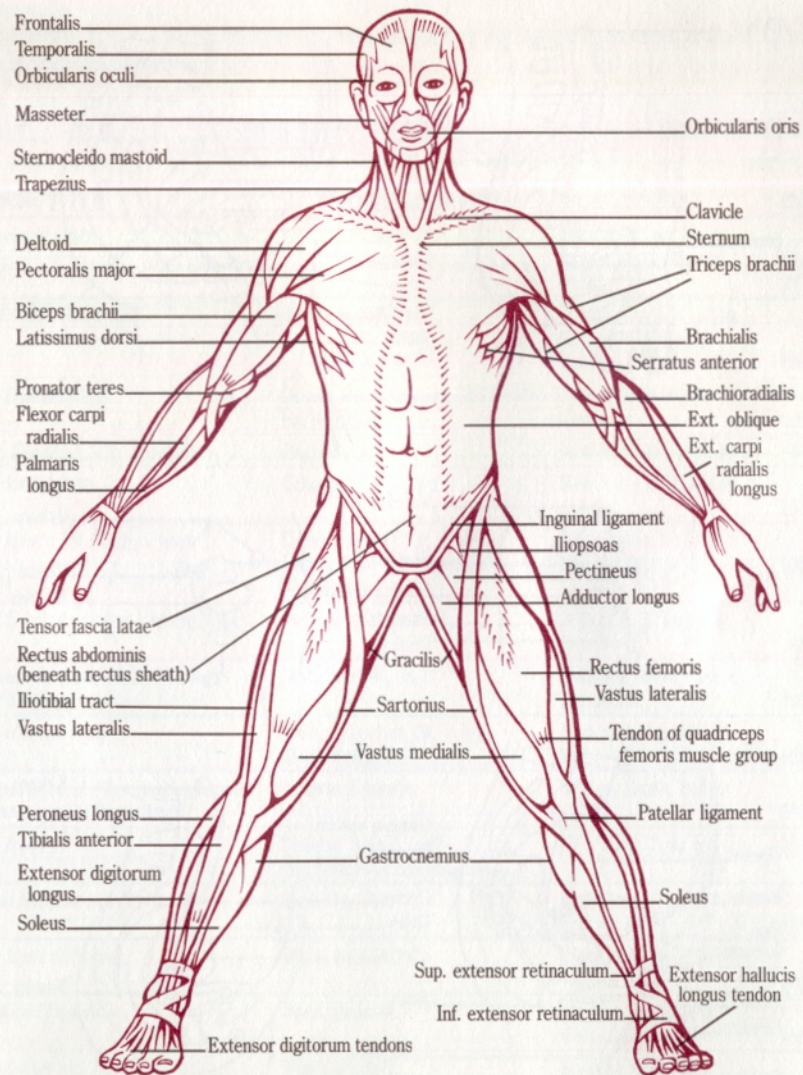


PLATE 4

REPRODUCTIVE ORGANS AND GENITOURINARY SYSTEM

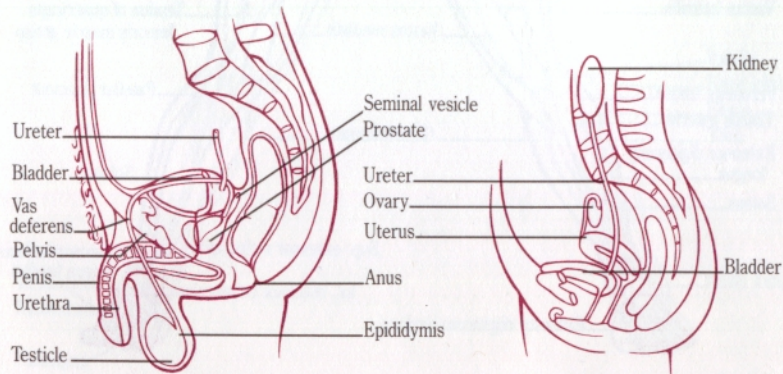
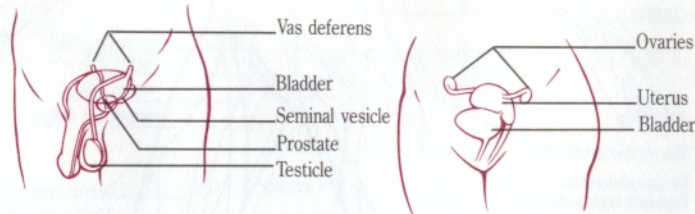
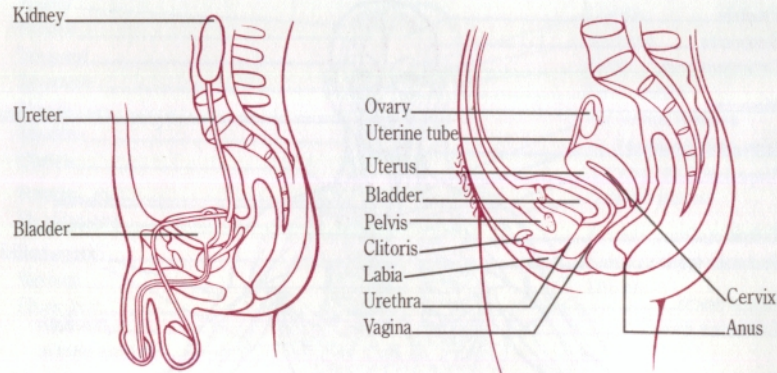


PLATE 5

WANT TO FIND OUT MORE ABOUT THE HUMAN BODY?

Your school and public libraries have many books and magazines about the human body and biology in general. The staffs there will be happy to help you learn more about the areas you're interested in.

Museums in your community may also have interesting displays and resources available to help you in your investigations.

SELECTED BIBLIOGRAPHY

BOOK TITLE	AUTHOR(S)/EDITOR	PUBLISHER	DATE
<i>Blood and Guts</i>	Allison, Linda	Boston: Brown Paper School, Little, Brown and Co.	1979
<i>Your Wonderful Body</i>	Bankson, Ross, ed.	Washington, D.C.: The National Geographic Society	1982
<i>The Human Body</i>	Bruun, Ruth Dowling, M.D. and Bartel Bruun, M.D.	New York: Random House	1982
<i>Slim Goodbody, The Inside Story</i>	Burstein, John	New York: McGraw-Hill	1977
<i>A is for Anatomy</i>	Cosgrove, Margaret	New York: Dodd Mead and Co.	1965
<i>The Heart: The Living Pump</i>	Davis, Goode P., Jr., Edward Park and the Editors of U.S. News Books	Washington, D.C.: U.S. News Books	1981
<i>The Gray's Anatomy Coloring Book</i>	DeCaro, Matthew V.	Philadelphia: Running Press	1980
<i>Human Anatomy and Physiology, 2nd Edition</i>	Hole, John W., Jr.	Dubuque, Iowa: Wm. C. Brown Co.	1981
<i>The Human Body</i>	Miller, Jonathan, M.D. and David Pelham	New York: The Viking Press	1983
<i>Behold Man, A Photographic Journey of Discovery Inside the Body</i>	Nilsson, Lennart	Boston: Little, Brown and Co.	1973
<i>The Body</i>	Nourse, Alan E. and the Editors of <i>Life</i> Magazine	New York: Time Inc.	1964
<i>What Happens to a Hamburger</i>	Showers, Paul	New York: Thomas Y. Crowell Co.	1970
<i>The Eye and Seeing</i>	Ward, Brian R.	London: Franklin R. Watts Ltd.	1981
<i>Food and Digestion</i>	Ward, Brian R.	London: Franklin R. Watts Ltd.	1982
<i>The Lungs and Breathing</i>	Ward, Brian R.	London: Franklin R. Watts Ltd.	1982
<i>Body Maintenance</i>	Ward, Brian R.	London: Franklin R. Watts Ltd.	1983
<i>The Book of the Body—The Way Things Work</i>		New York: Simon & Schuster	1979