

**BRIEF ATLAS OF  
THE HUMAN BODY**

8th  
EDITION

# anatomy & physiology



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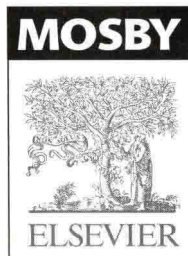
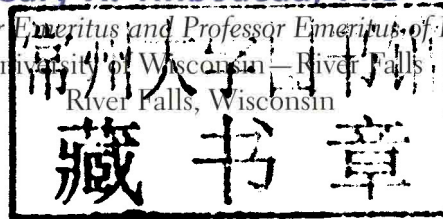
# BRIEF ATLAS OF THE HUMAN BODY

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# Introduction to the Brief Atlas of the Human Body

During our many years of teaching anatomy and physiology, we have found that supplemental images of body structures often help students appreciate the “big picture” of human anatomy and physiology. For that reason, we have provided some of these images in a handy supplement to *Anatomy & Physiology* to help you with your learning.

This *Brief Atlas* contains images from some of the world’s best medical atlases. It provides a manageable overview of the human body in an easy-to-use size and format. You will find it helpful for learning in both the lecture/discussion part of the course and in the laboratory part of your anatomy and physiology course.

**Part 1, Surface Anatomy** provides a brief overview of the surface structures of the body. Notice that many of these images feature the locations of major structures that lie just under the skin. These underlying structures include bones, muscles, and various other internal organs. These images will help you understand the relationship of the internal organs to the surface view of the body.

**Part 2, The Skeleton** features a number of detailed photographs of the human skeleton. These images include many views of the different regions of the human skeleton and of individual bones of the skeleton. You will find these to be useful references as you study the bones and muscles of the body.

**Part 3, Internal Anatomy** provides a survey of helpful images of the inside structures of the body. These images often include representations of dissected organs of many different systems to help you see how they all fit together in the human body. We have

also included some casts, images produced by filling up hollow body structures (such as blood vessels) with a substance that hardens to produce a molded casting of what the hollow spaces look like. Such casts help you appreciate body structure in a different way than ordinary anatomical images.

**Part 4, Cross-Sectional Anatomy** features an introductory set of horizontal sections of the human body. Such sectional views help you develop a stronger sense of the three-dimensional relationships of the various structures of the body. Because of the increasing importance of cross-sectional anatomy in today’s medical imaging, we believe that this resource is especially useful in helping you apply your understanding of human body structure in practical, applied ways.

**Part 5, Histology** is a mini-atlas of some of the major types of tissues found in the body. Our experience as students and teachers tells us that an understanding of tissues, or histology, is a good foundation for easily learning the anatomy of every part of the body. Our experience also tells us that the more examples you see early in your studies, the easier it is to grasp the fundamental concepts of histology. So this section of the *Brief Atlas* provides a handy set of tissue samples gleaned from the major histology atlases to supplement those already found in *Anatomy & Physiology*.

We trust that you will find these carefully selected images helpful in your study of human anatomy and physiology!

Kevin T. Patton  
Gary A. Thibodeau

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## INTRODUCTION

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## PART 1

# Surface Anatomy

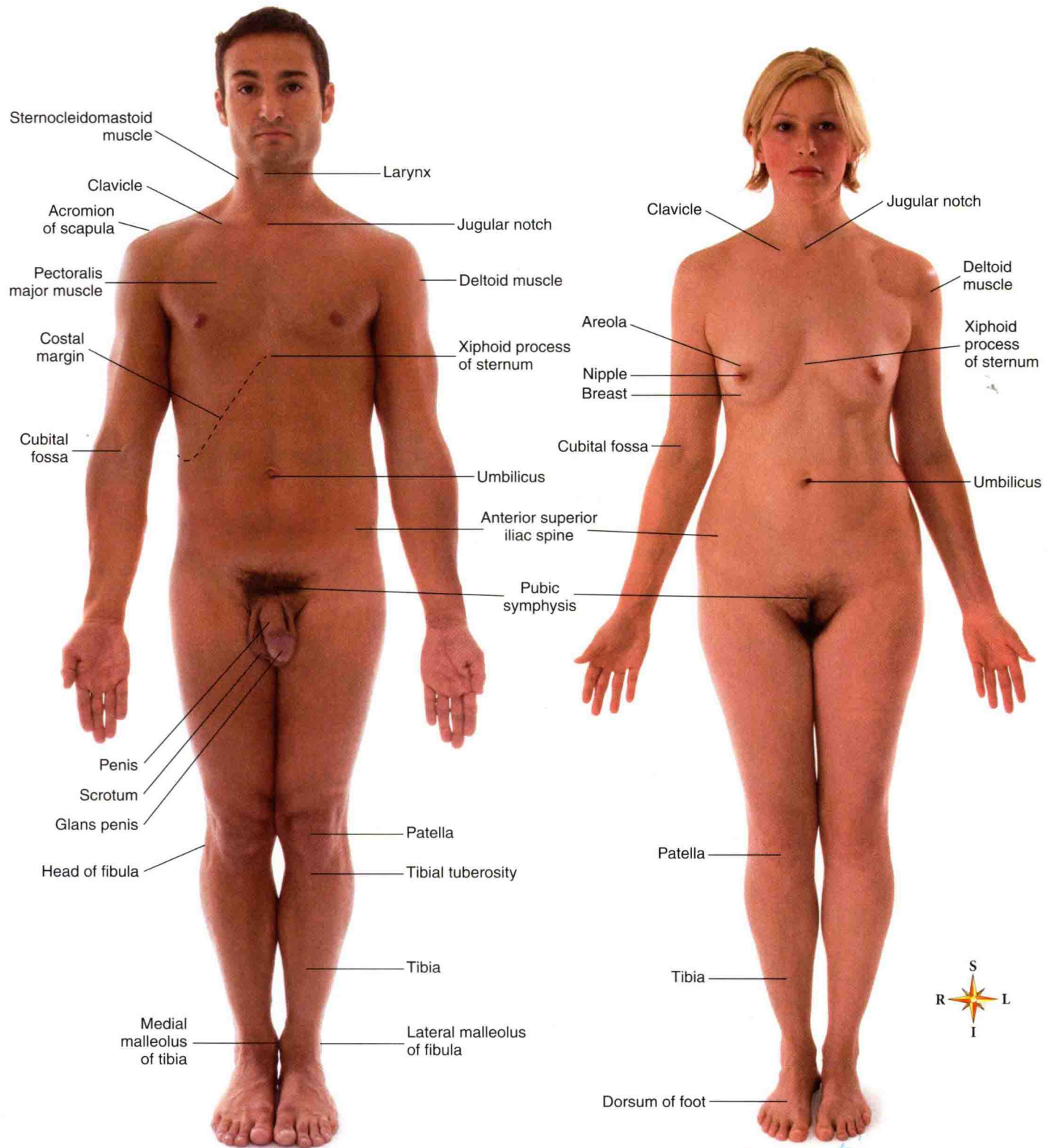


Figure 1-1 Overview of surface anatomy (anterior view). (From Drake RL: *Gray's atlas of anatomy*, New York, 2008, Elsevier.)



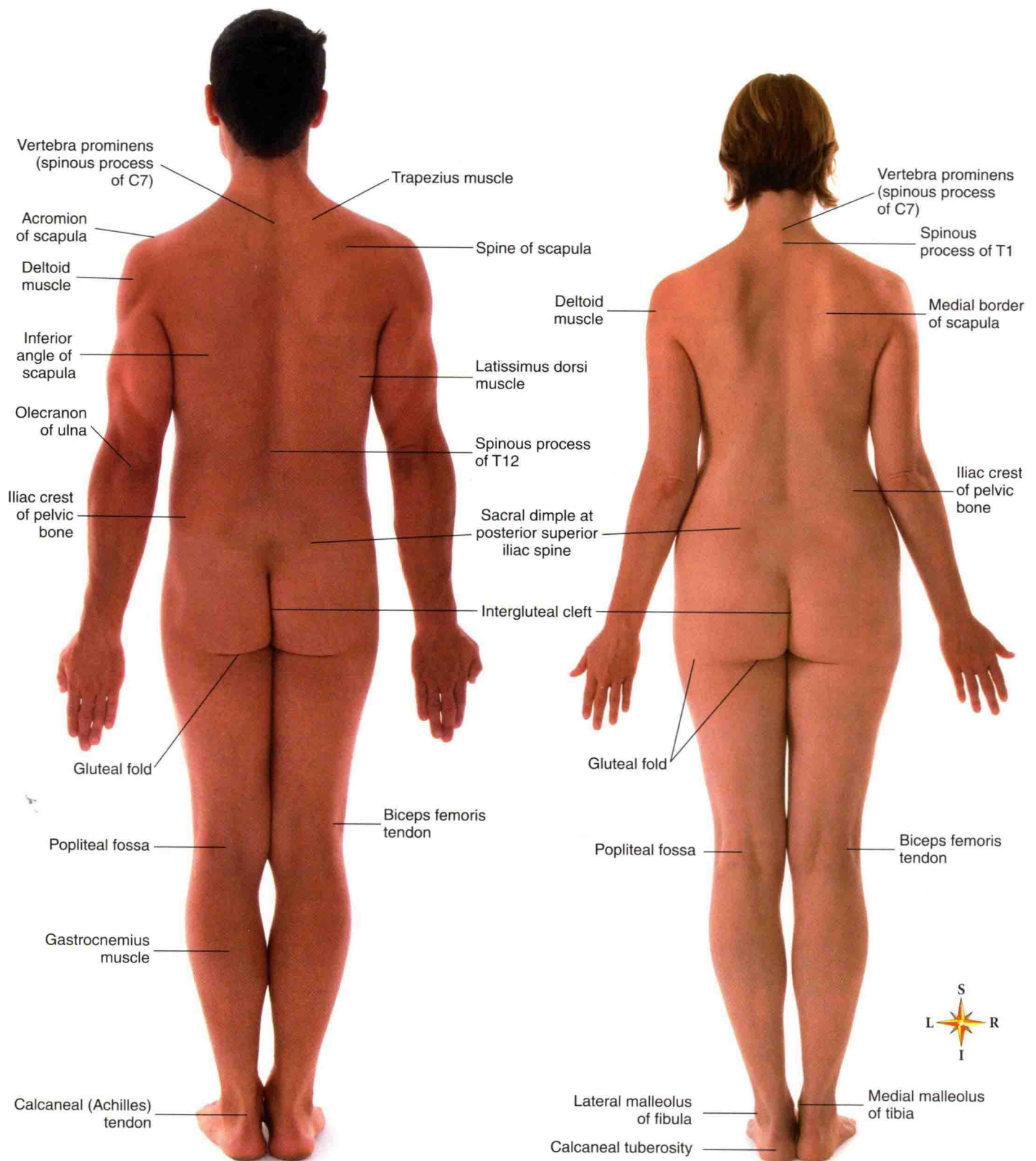
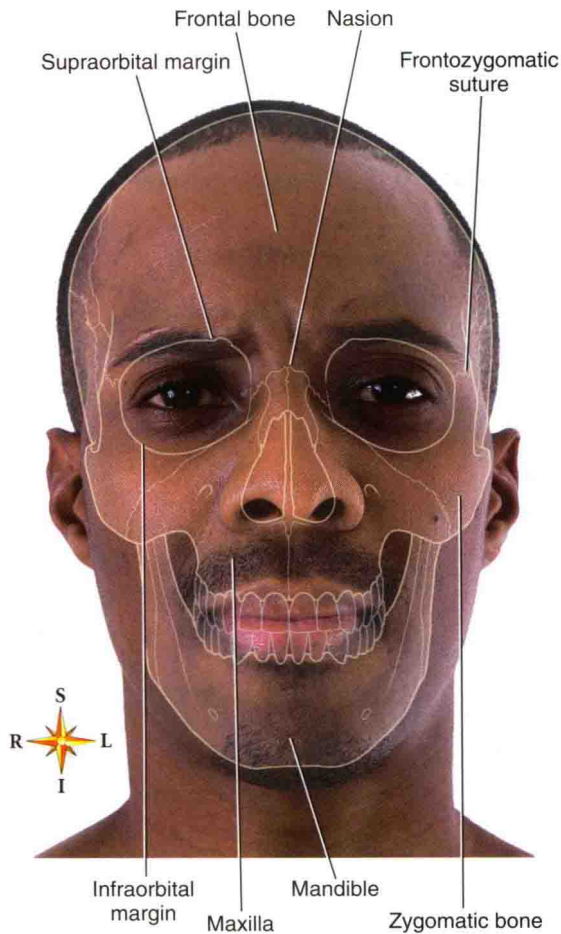
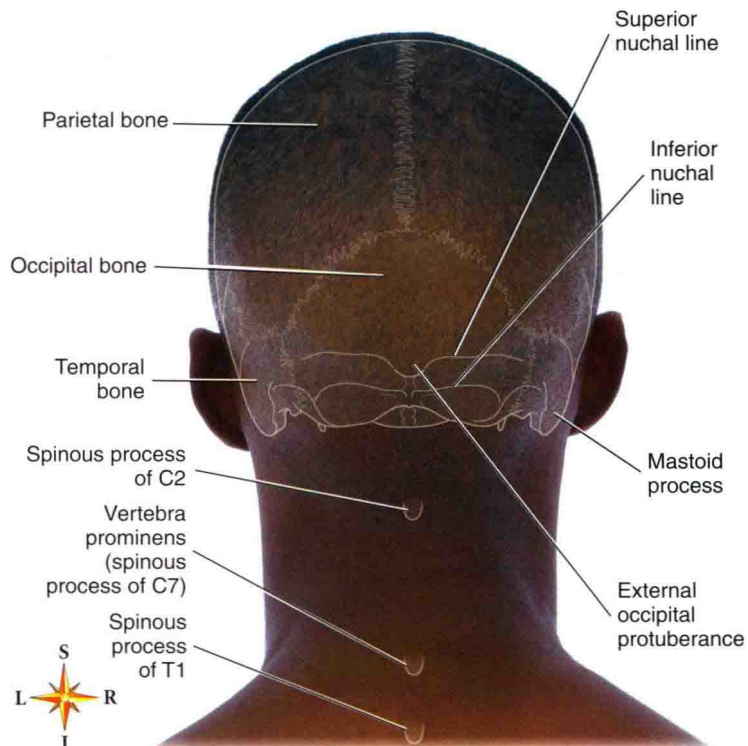


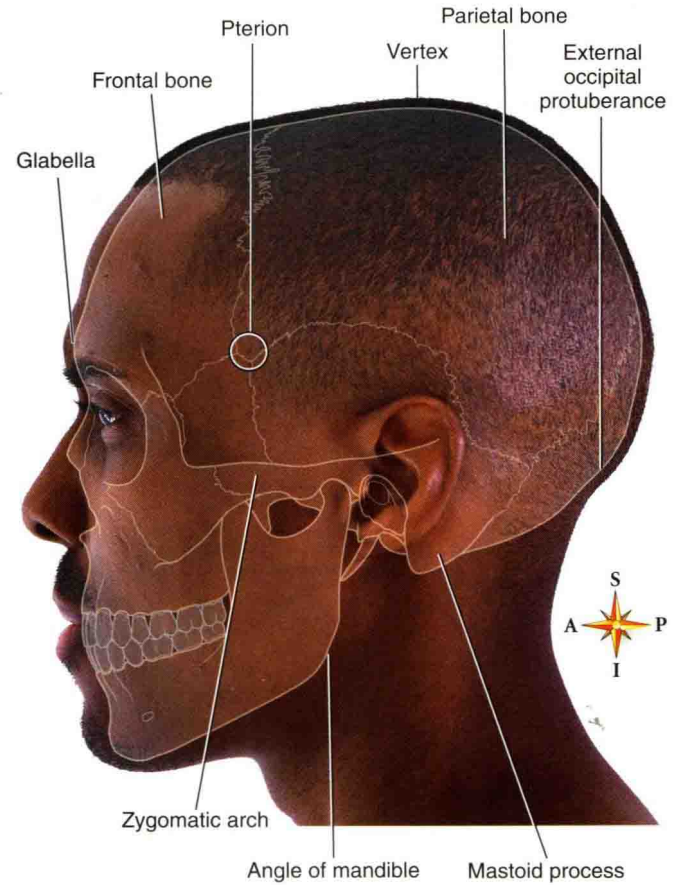
Figure 1-2 Overview of surface anatomy (posterior view). (From Drake RL: *Gray's atlas of anatomy*, New York, 2008, Elsevier.)



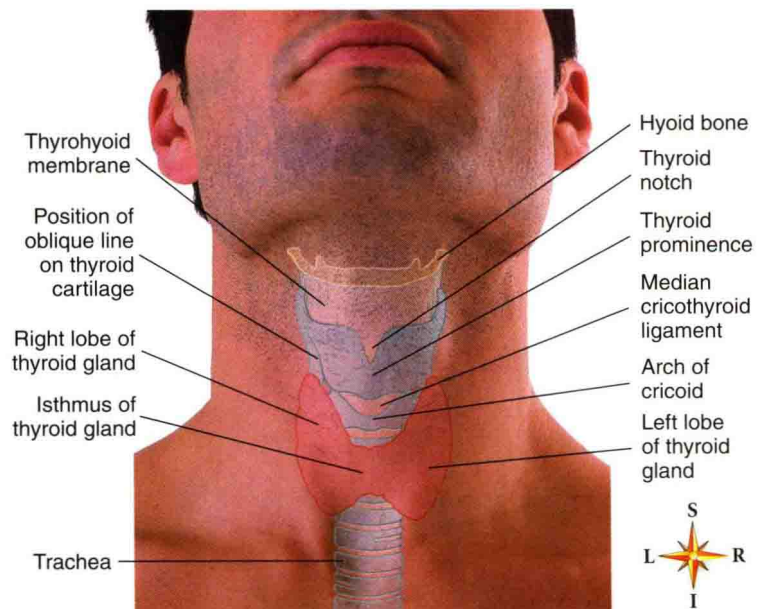
**Figure 1-3 Head (anterior view).** (From Drake RL: *Gray's atlas of anatomy*, New York, 2008, Elsevier.)



**Figure 1-5 Head (posterior view).** (From Drake RL: *Gray's atlas of anatomy*, New York, 2008, Elsevier.)



**Figure 1-4 Head (lateral view).** (From Drake RL: *Gray's atlas of anatomy*, New York, 2008, Elsevier.)



**Figure 1-6 Neck (anterior view).** (From Drake RL: *Gray's atlas of anatomy*, New York, 2008, Elsevier.)



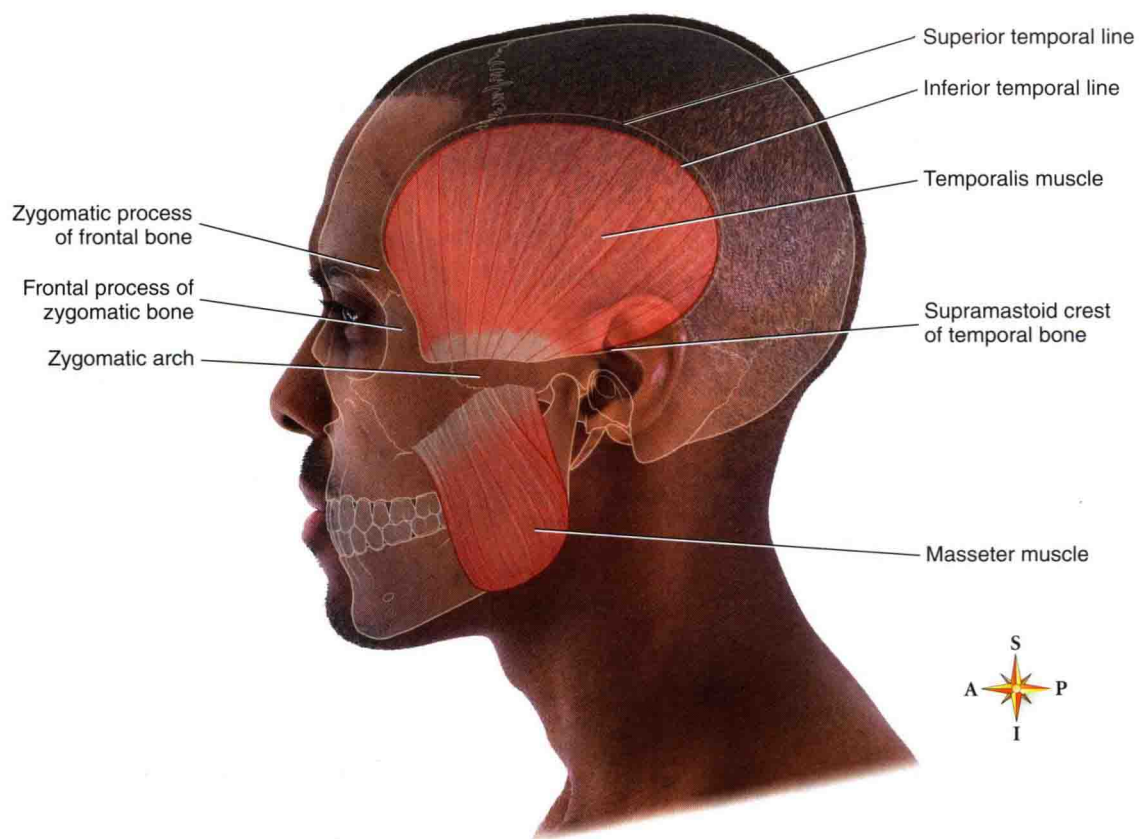


Figure 1-7 Head and neck (left lateral view). (From Drake RL: *Gray's atlas of anatomy*, New York, 2008, Elsevier.)

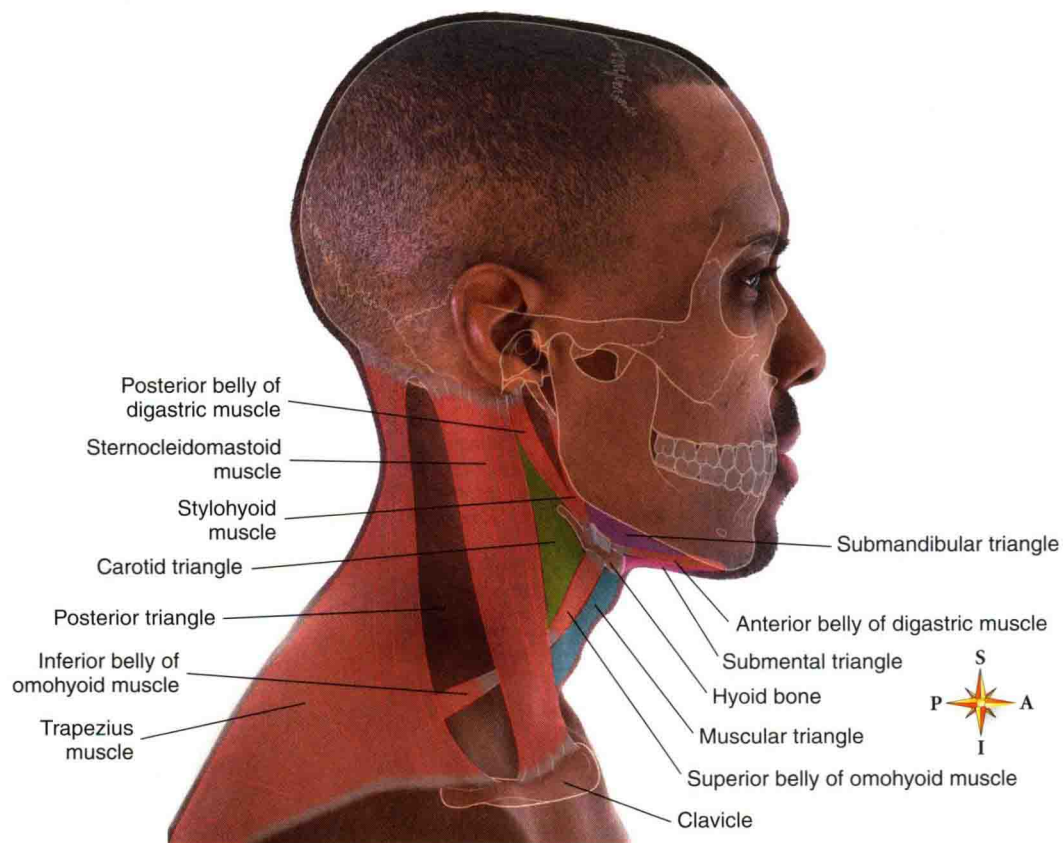
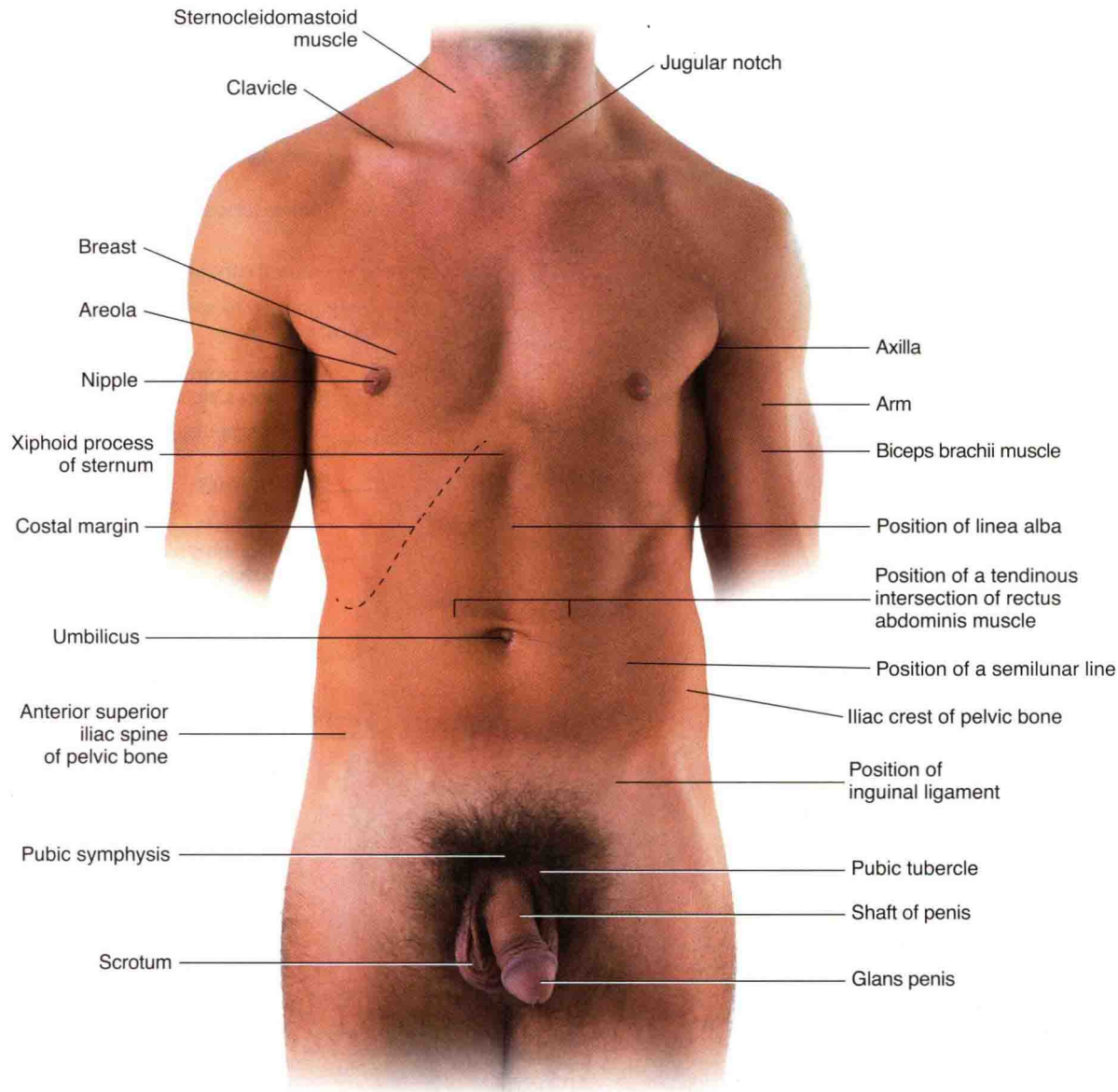
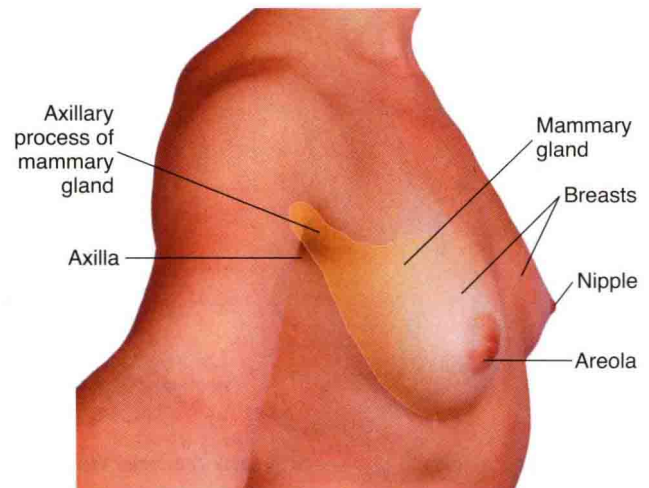


Figure 1-8 Head and neck (right lateral view). (From Drake RL: *Gray's atlas of anatomy*, New York, 2008, Elsevier.)

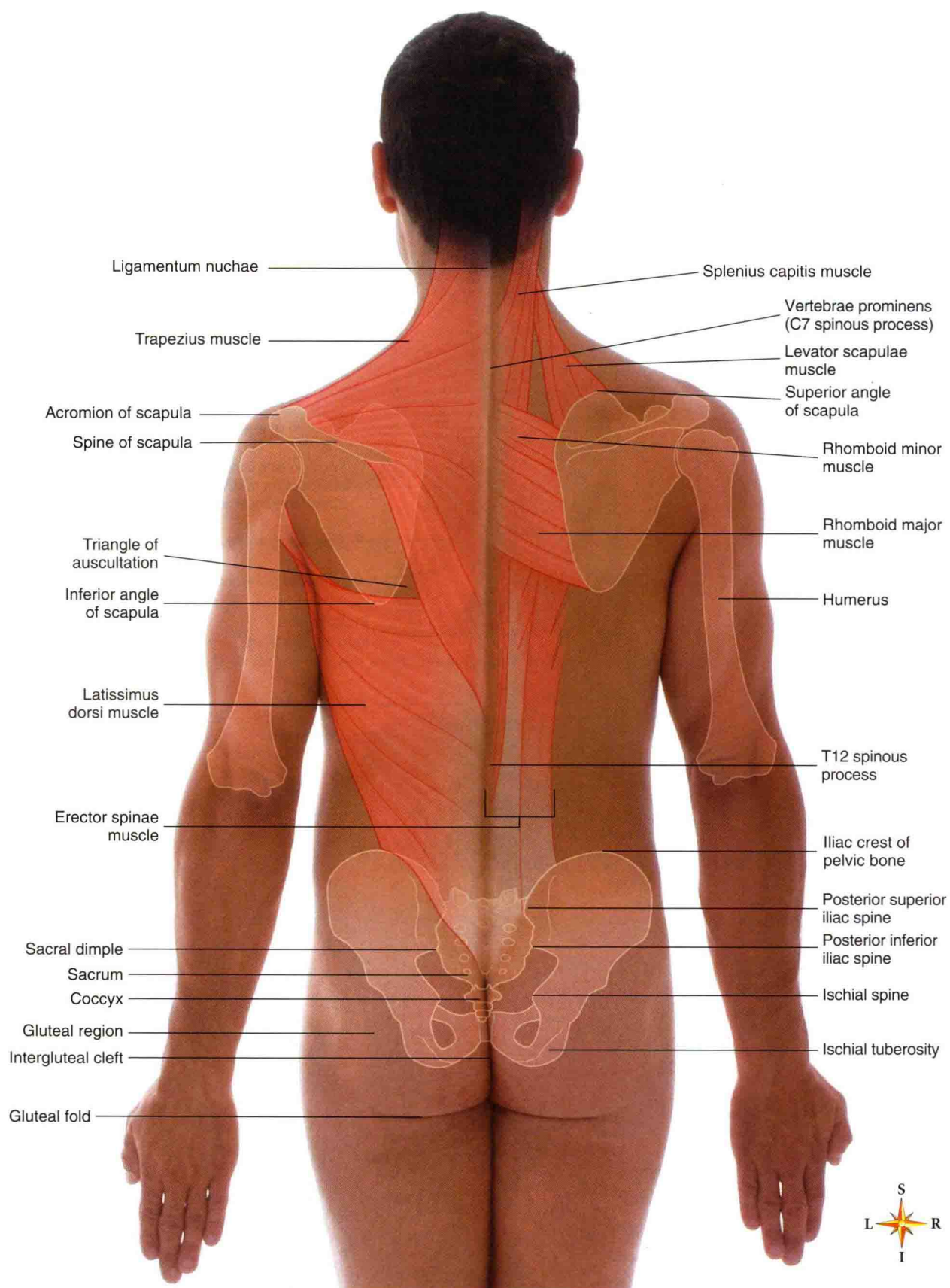




**Figure 1-9 Male trunk (anterior view).** (From Drake RL: *Gray's atlas of anatomy*, New York, 2008, Elsevier.)

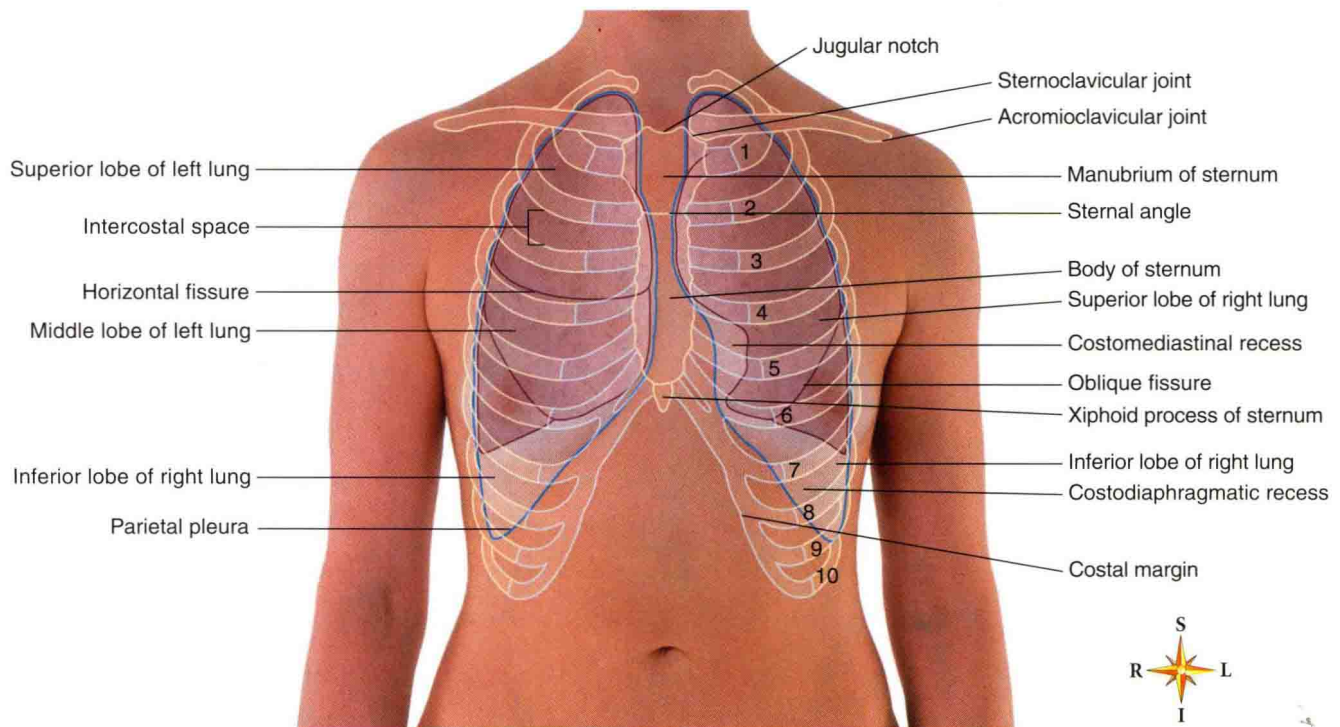


**Figure 1-10 Female thorax (right lateral view).** (From Drake RL: *Gray's atlas of anatomy*, New York, 2008, Elsevier.)

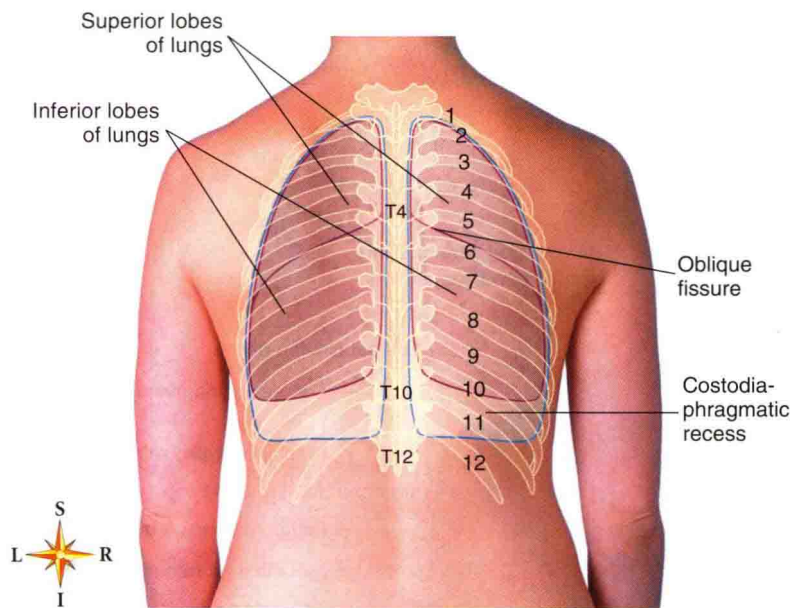


**Figure 1-11 Surface of trunk (posterior view).** (From Drake RL: *Gray's atlas of anatomy*, New York, 2008, Elsevier.)

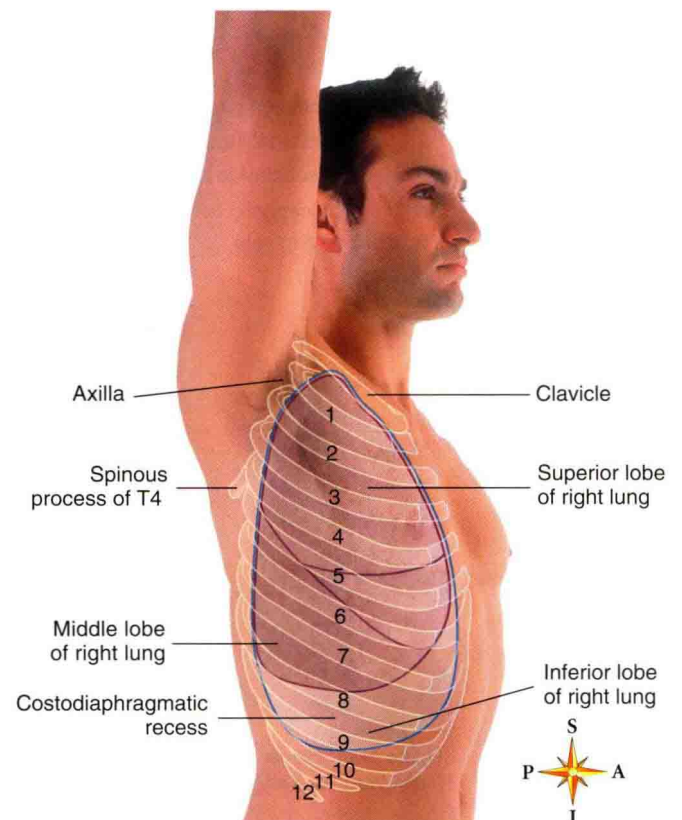




**Figure 1-12 Thorax (showing rib cage and lungs; anterior view).** (From Drake RL: *Gray's atlas of anatomy*, New York, 2008, Elsevier.)

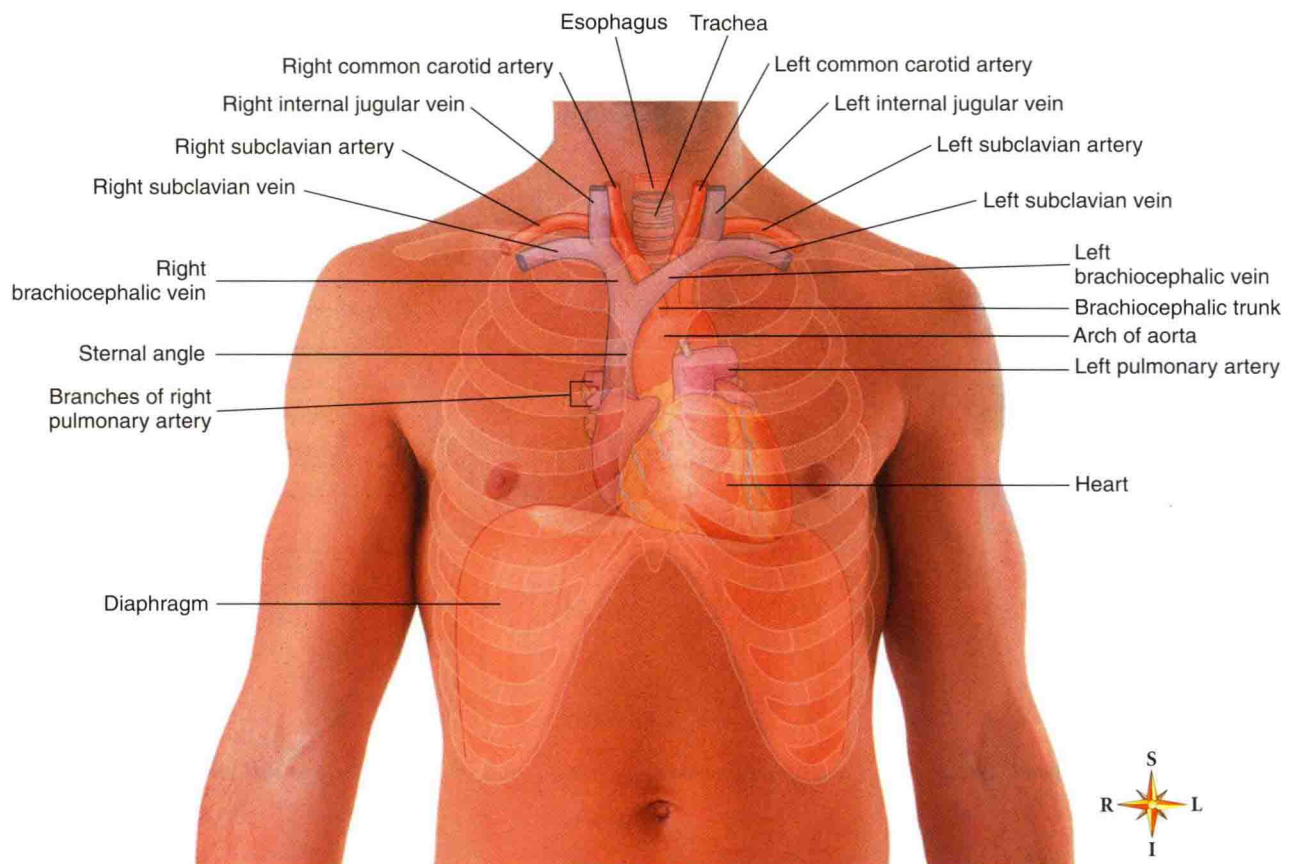


**Figure 1-13 Thorax (showing rib cage and lungs; posterior view).** (From Drake RL: *Gray's atlas of anatomy*, New York, 2008, Elsevier.)

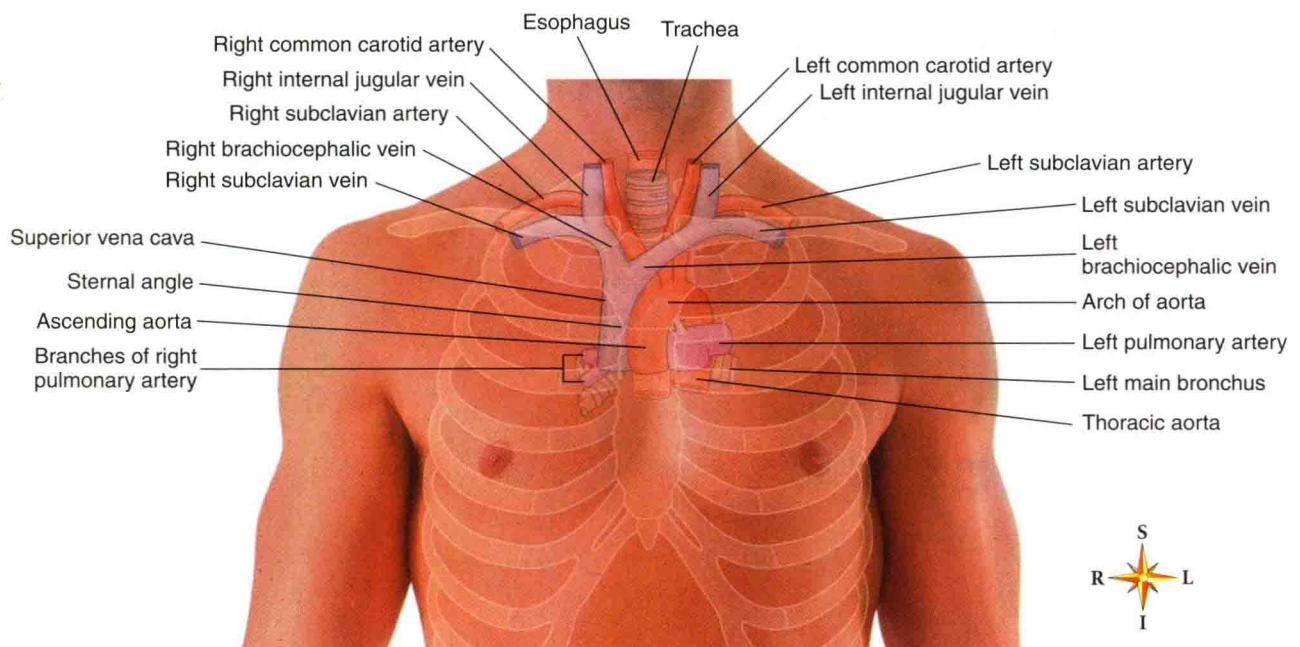


**Figure 1-14 Thorax (showing rib cage and lungs; right lateral view).** (From Drake RL: *Gray's atlas of anatomy*, New York, 2008, Elsevier.)

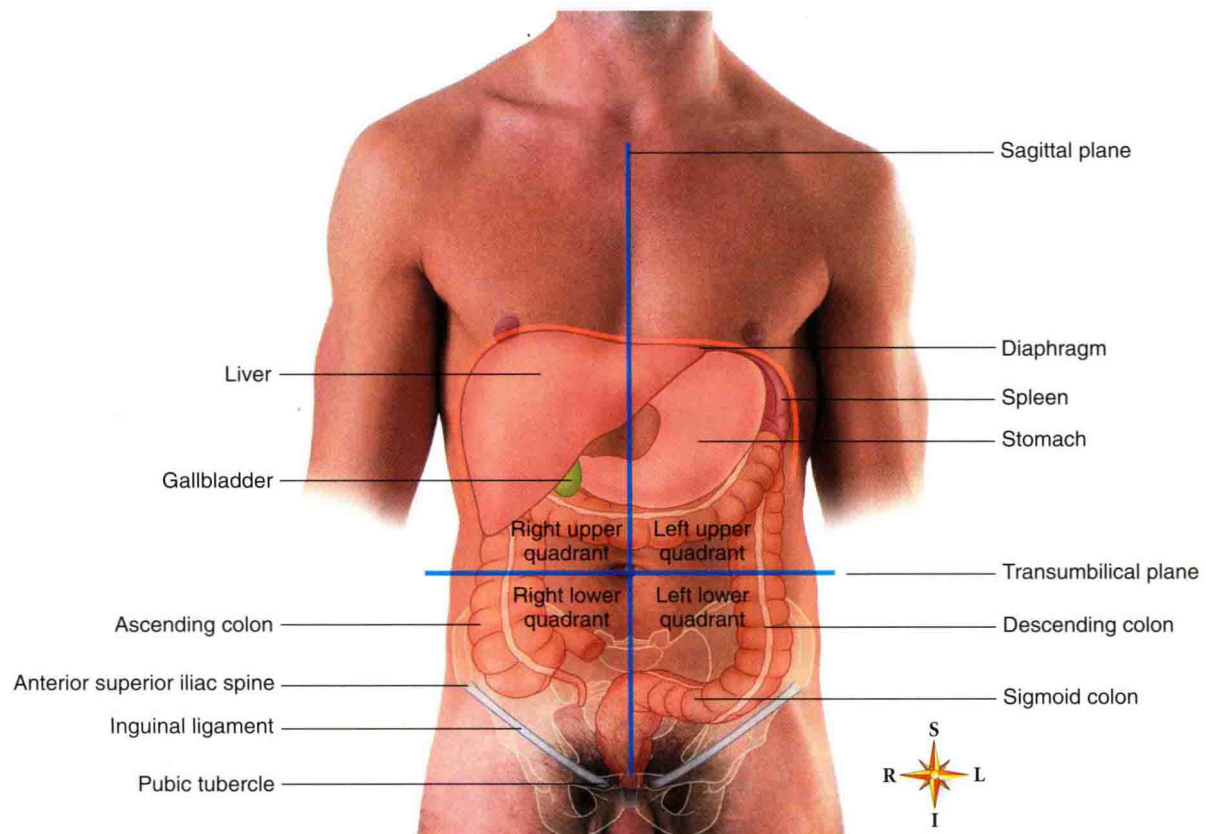




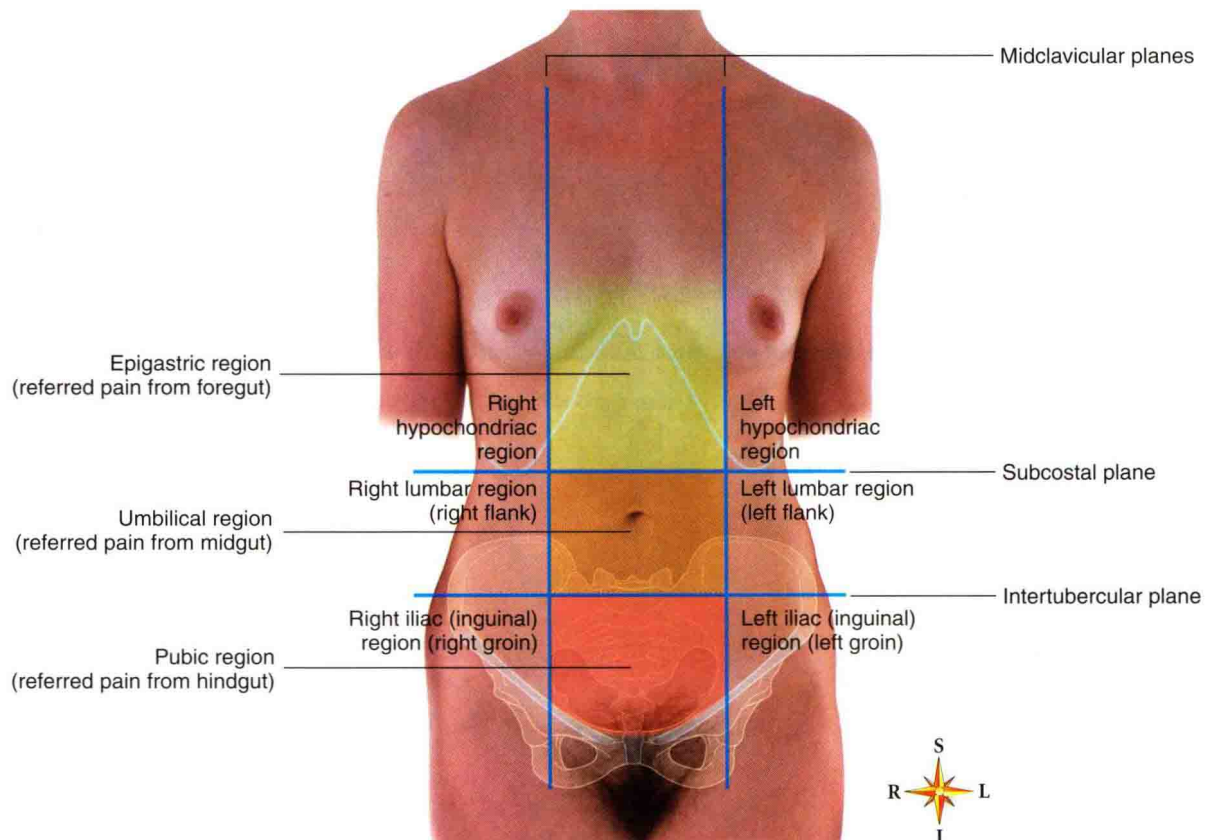
**Figure 1-15 Thorax (showing structures of the mediastinum; heart and large vessels).**  
(From Drake RL: *Gray's atlas of anatomy*, New York, 2008, Elsevier.)



**Figure 1-16 Thorax (showing structures of the mediastinum; large vessels and airways [heart removed]).**  
(From Drake RL: *Gray's atlas of anatomy*, New York, 2008, Elsevier.)



**Figure 1-17 Abdominal quadrants and the positions of major organs.**  
(From Drake RL: *Gray's atlas of anatomy*, New York, 2008, Elsevier.)



**Figure 1-18 Nine regions of the abdomen.** (From Drake RL: *Gray's atlas of anatomy*, New York, 2008, Elsevier.)



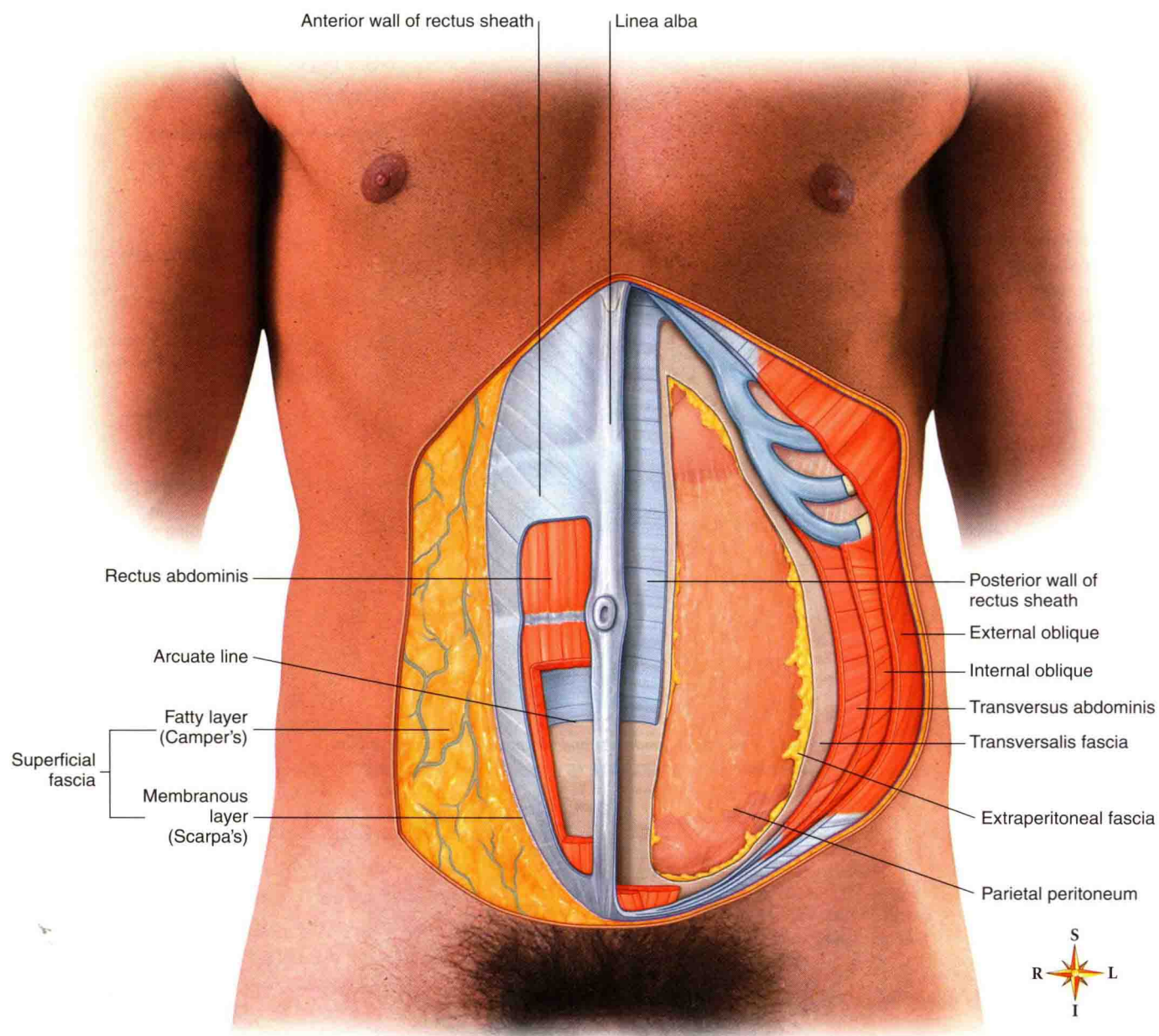


Figure 1-19 *Layers of the abdominal wall.* (From Drake RL: *Gray's atlas of anatomy*, New York, 2008, Elsevier.)