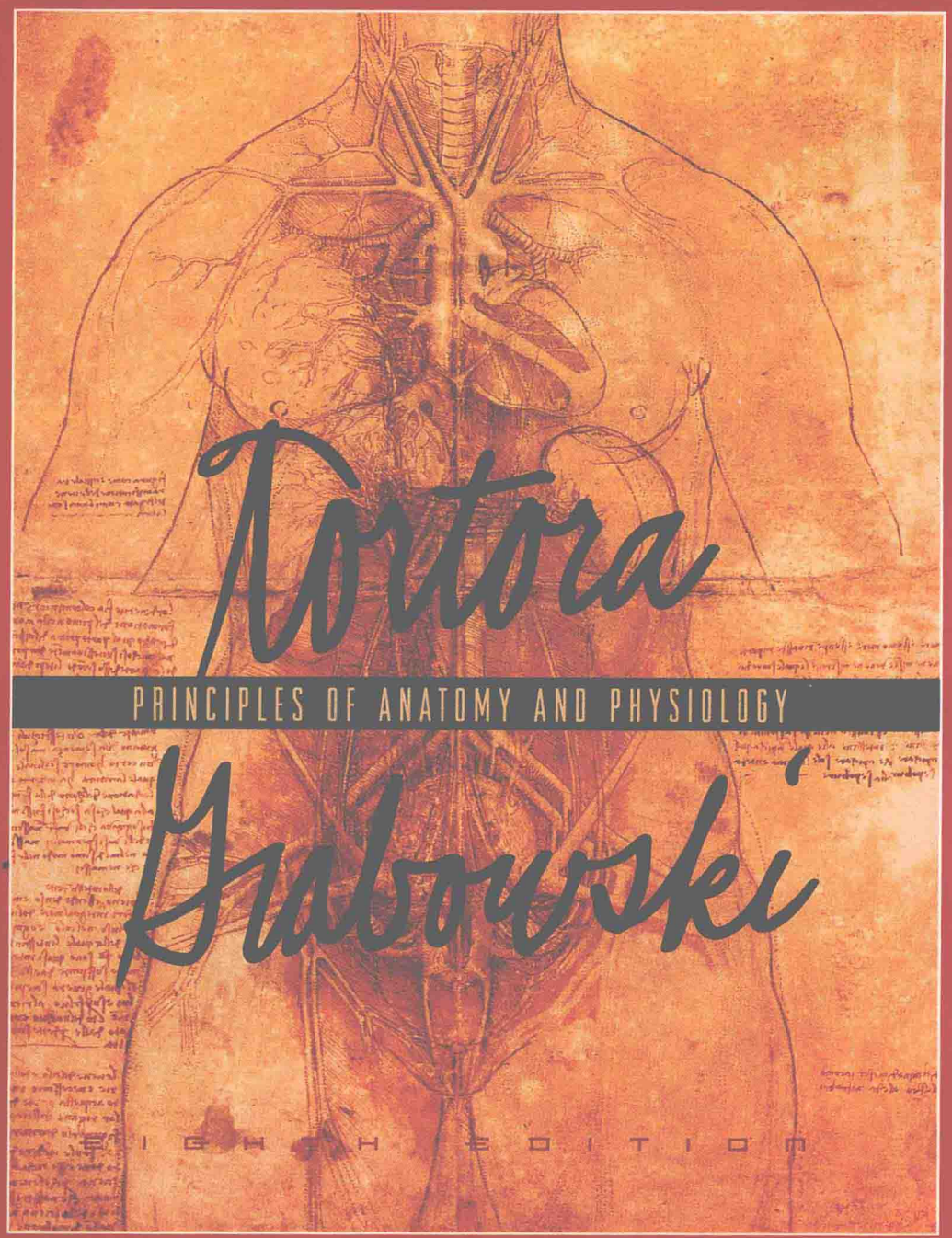
CONCEPT MAPS

to accompany

Tortora • Grabowski

Principles of Anatomy and Physiology

Eighth Edition



Janice Yoder Smith

CONCEPT MAPS

Second Edition

to accompany

Tortora/Grabowski

Principles of Anatomy and Physiology

Eighth Edition

Janice Yoder Smith
Tarrant County Junior College

HarperCollins*CollegePublishers*

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Second Edition Reviewers

John V. Aliff, Dekalb College, Gwinnett Center
Elizabeth A. Murray, College of Mount Saint Joseph
Michael A. Vitale, Daytona Beach Community College

Preface

Concept maps are information management tools. The concept maps presented in this book bridge the gap between traditional outlines and the original idea of concept maps. They provide a skeleton outline and some initial links between topics. Students and instructors then add their own detail and make their own connections.

I have used some form of concept mapping in my classroom for over six years. I use the maps as lecture notes, and I teach my students to develop their own maps. I use the traditional concept map format to review once a unit is complete. The combination approach has been quite successful.

A specific guide for student use of maps follows this preface. In general, students will benefit from using the concept maps as a guide to important ideas as they read their texts. Students may also find the maps useful as a lecture outline to which notes may be added during class.

Students have suggested that I leave more room for student notes on each page of the maps. To do so, I have eliminated some of the detail of the earlier edition and rotated the pages to the 11" x 8.5" orientation.

My goal in writing these maps is to make the mastery of anatomy and physiology as efficient as possible. I hope you will find the maps useful. I look forward to your comments.

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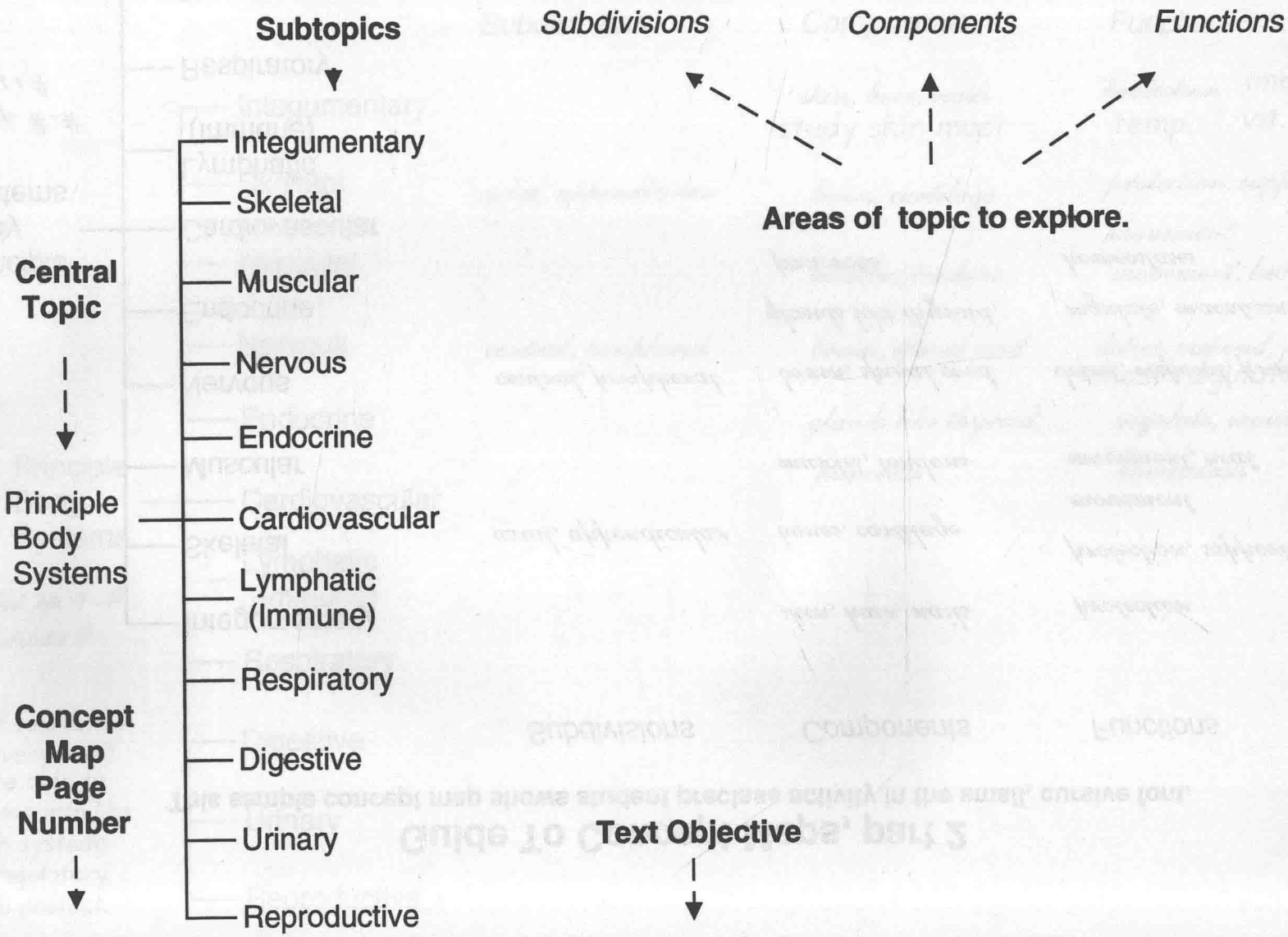
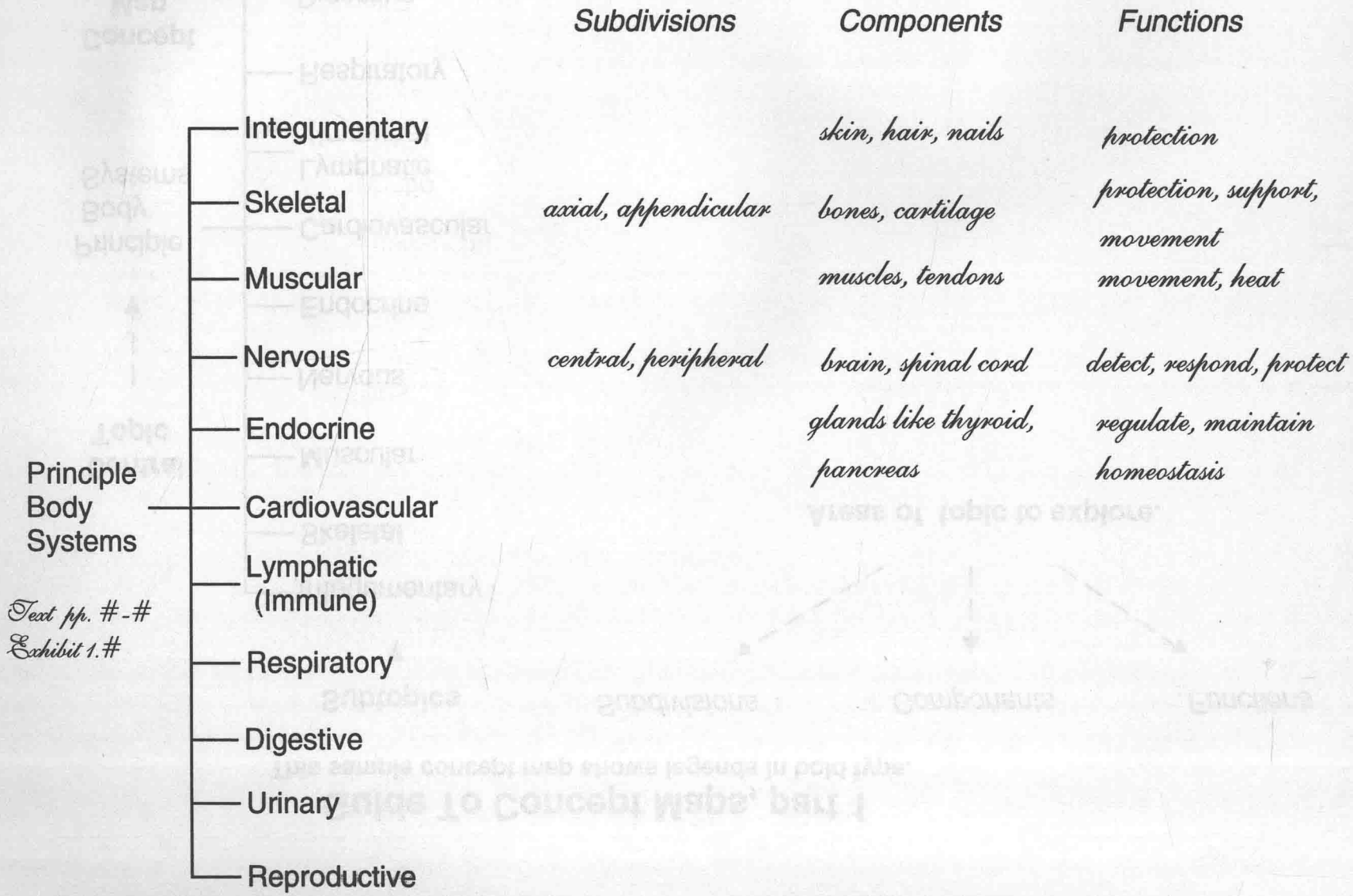
Guide To Concept Maps, part 1

This sample concept map shows legends in bold type.



Guide To Concept Maps, part 2

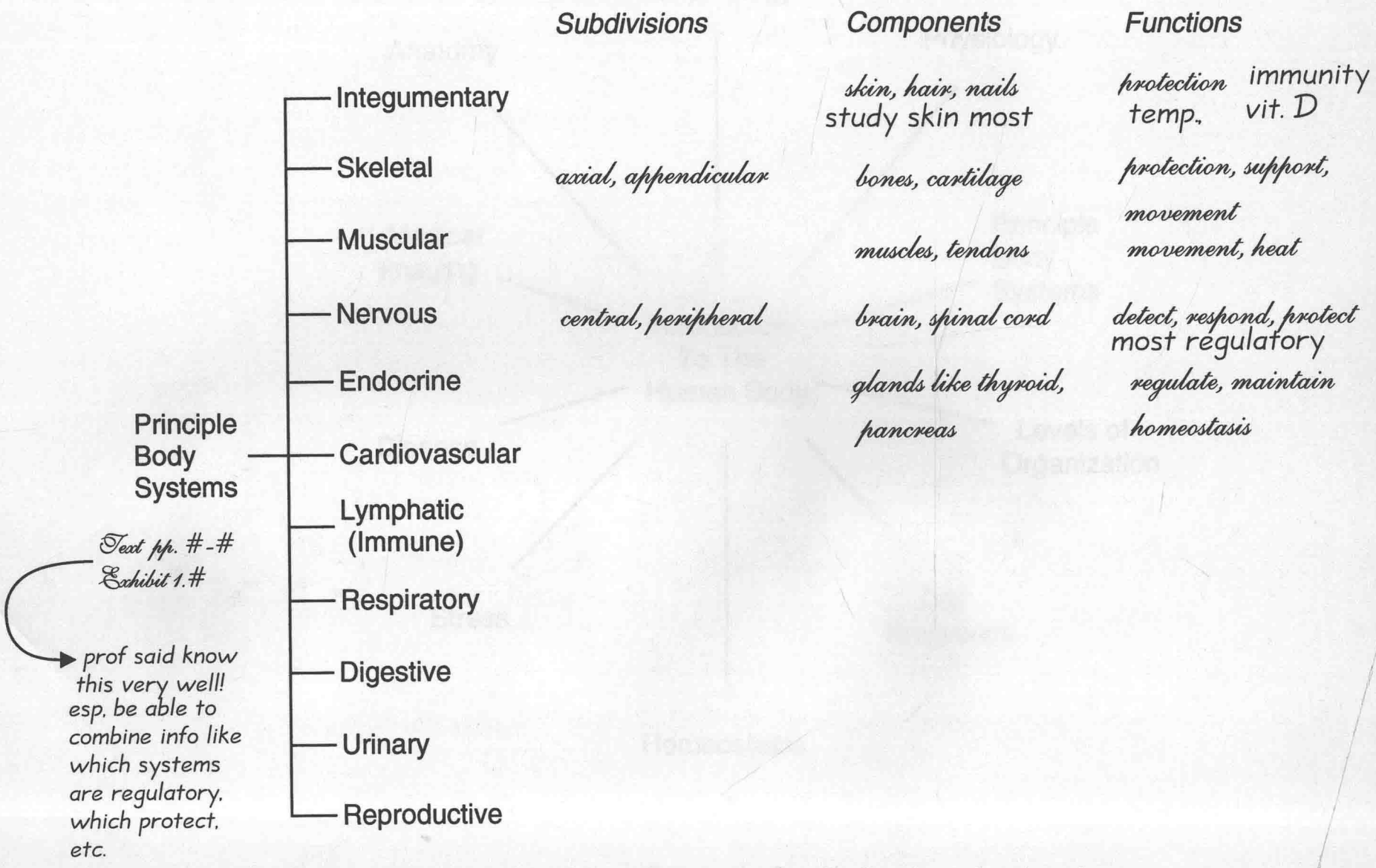
This sample concept map shows student preclass activity in the small, cursive font.



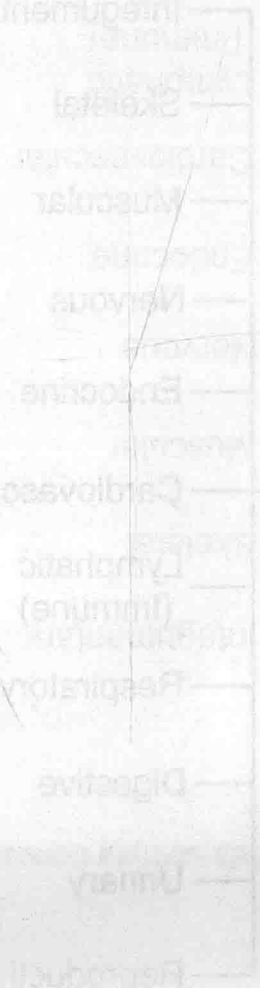
 Identify the principal systems of the human body ... and describe functions of each system.

Guide To Concept Maps, part 3

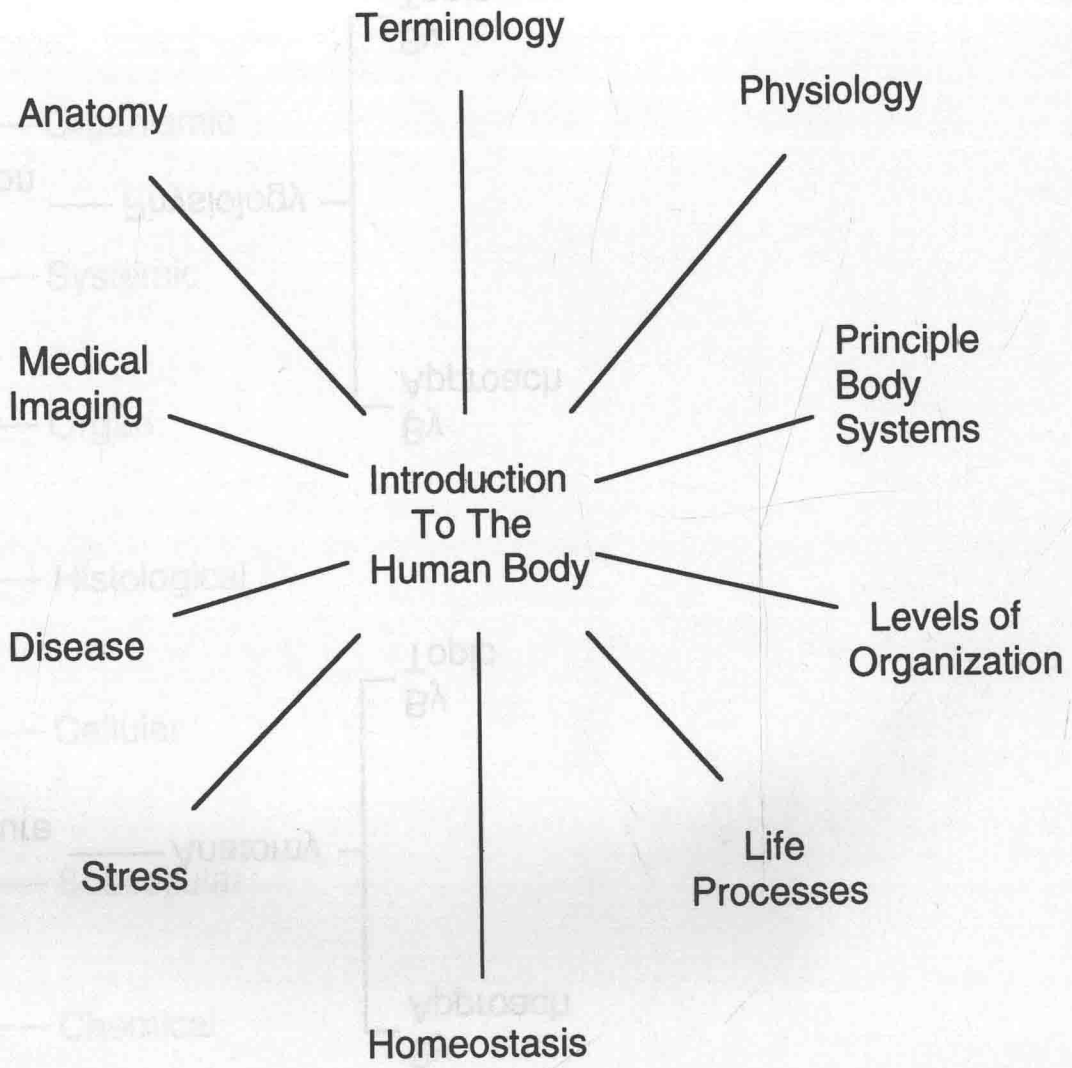
This sample concept map adds student in class activity in the small, printed font.



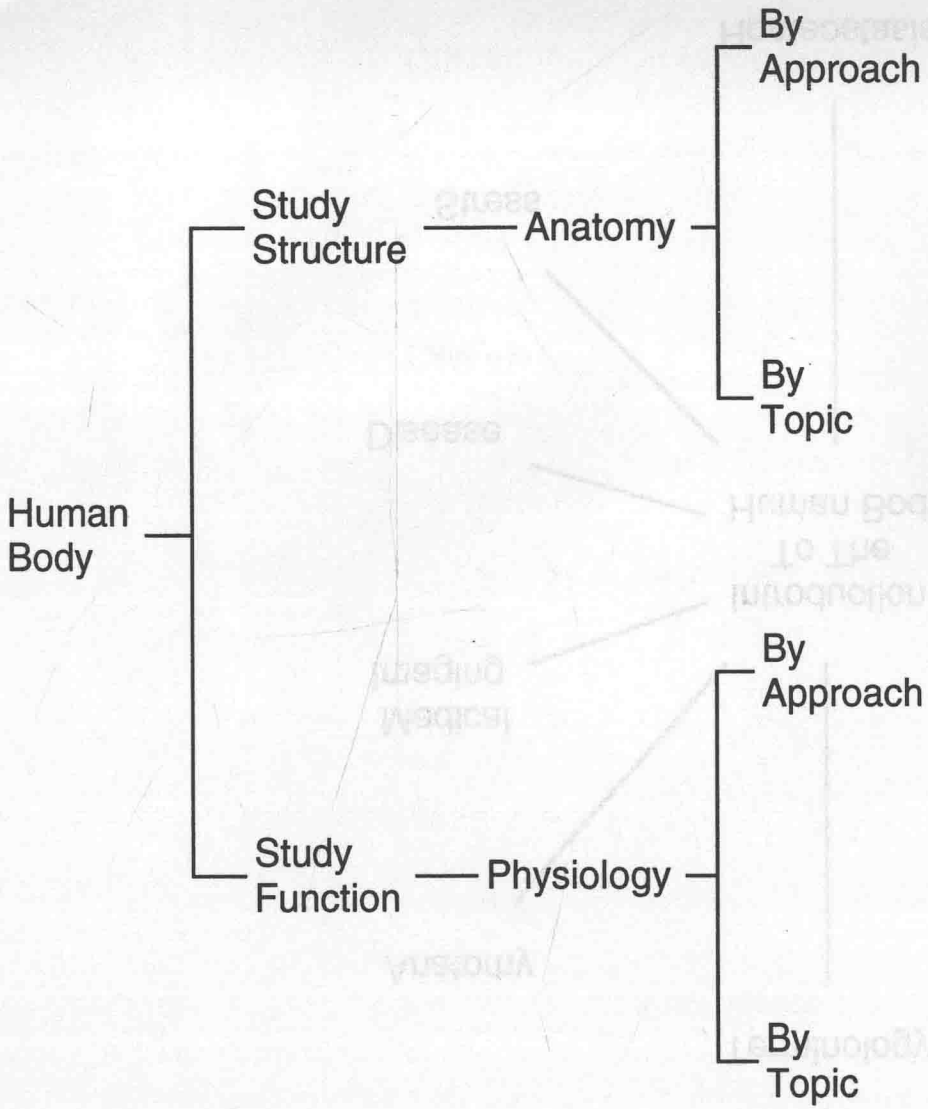
1-3 Identify the principal systems of the human body ... and describe functions of each system.



Chapter 1


Terminology
Anatomy
Physiology
Medical Imaging
Principle Body Systems
Introduction To The Human Body
Disease
Levels of Organization
Stress
Life Processes
Homeostasis

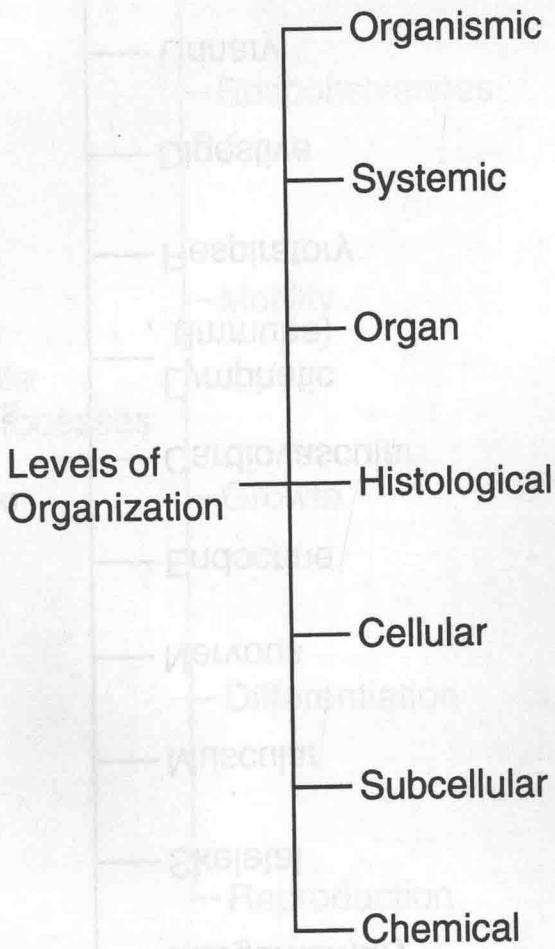
Example *Definition*



1-1 Define anatomy and physiology and their subdivisions.

Most Complex, Highest Level

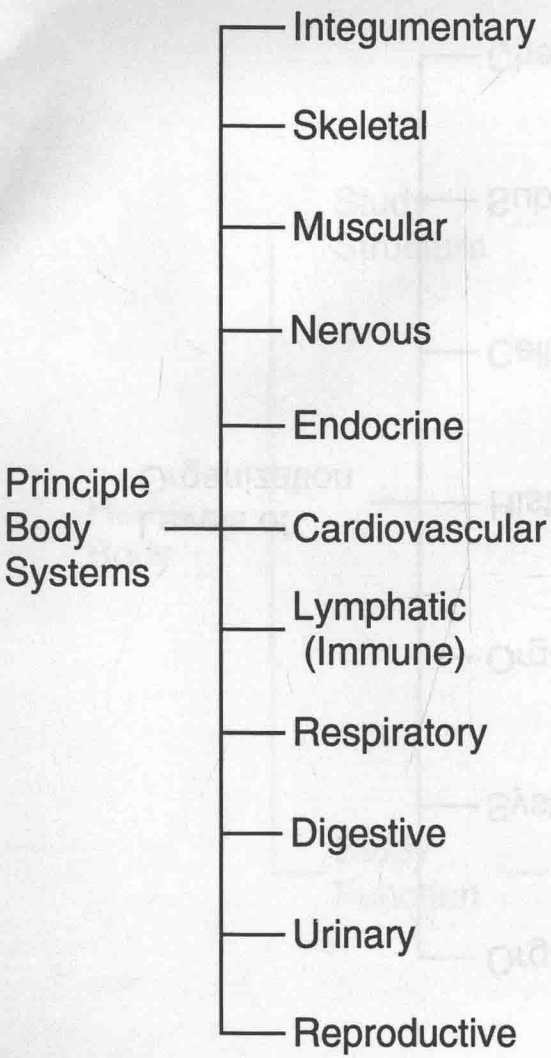
Examples



Least Complex Lowest Level

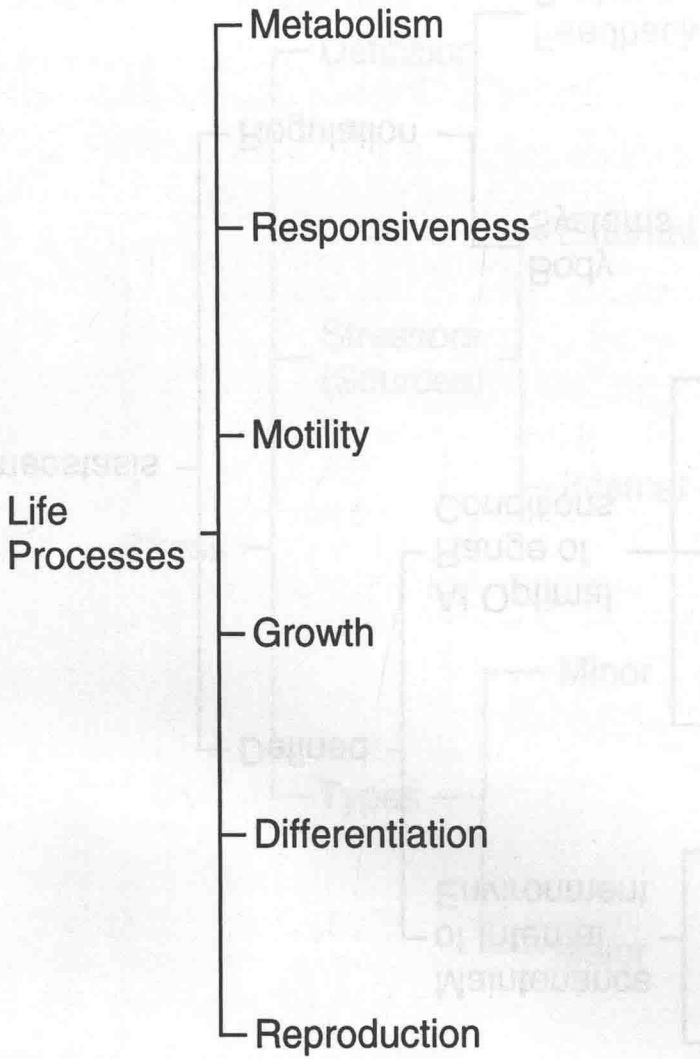
1-2 Define ... levels of structural organization that make up the human body.

Subdivisions *Components* *Functions*

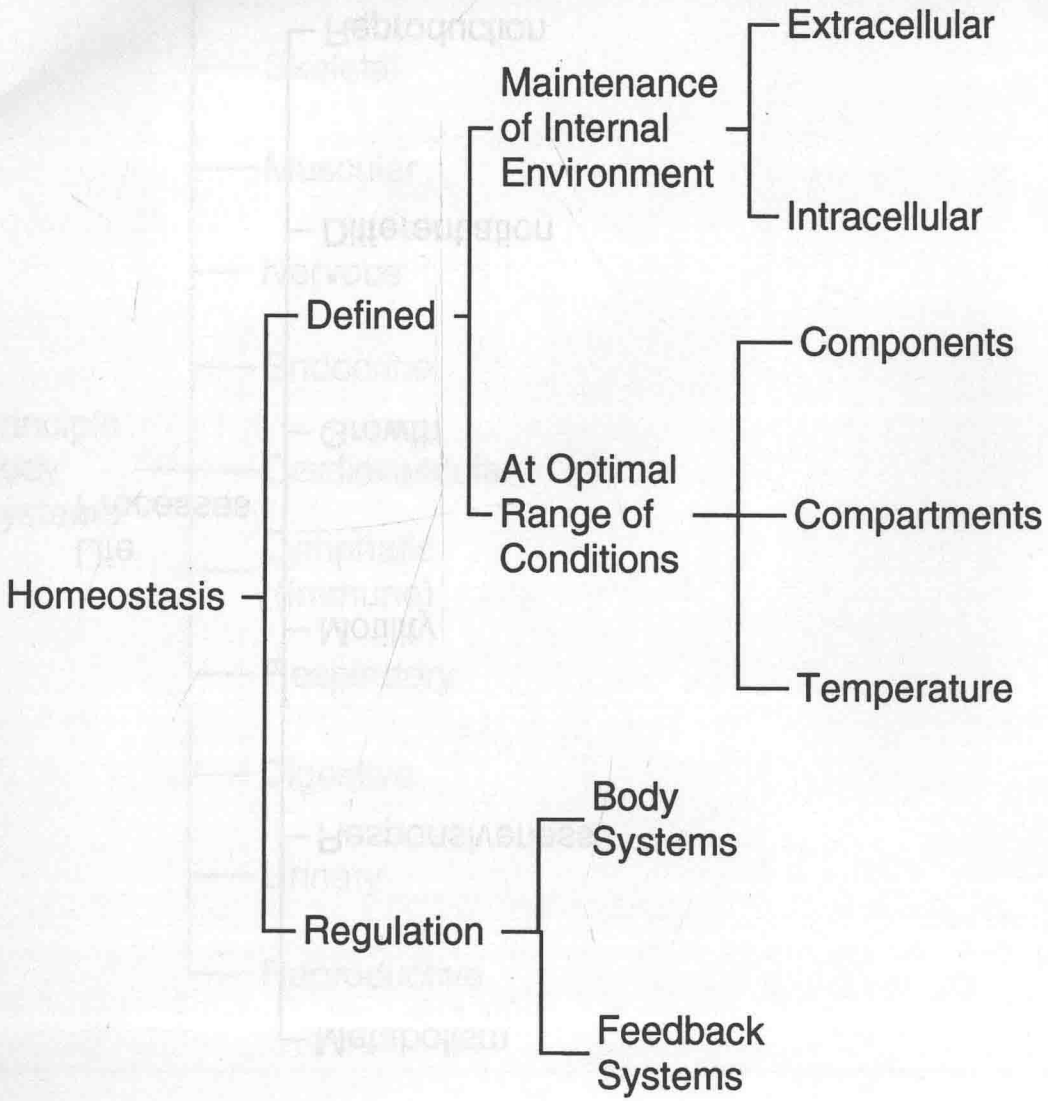


 Identify the principal systems of the human body ... and describe functions of each system.

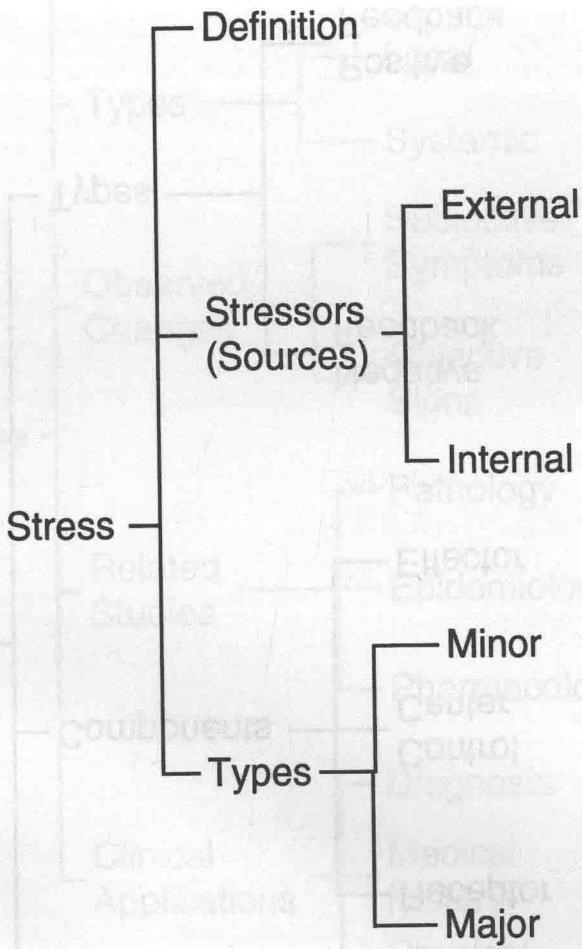
Definitions *Examples*



1-4 List and define several important life processes of humans.

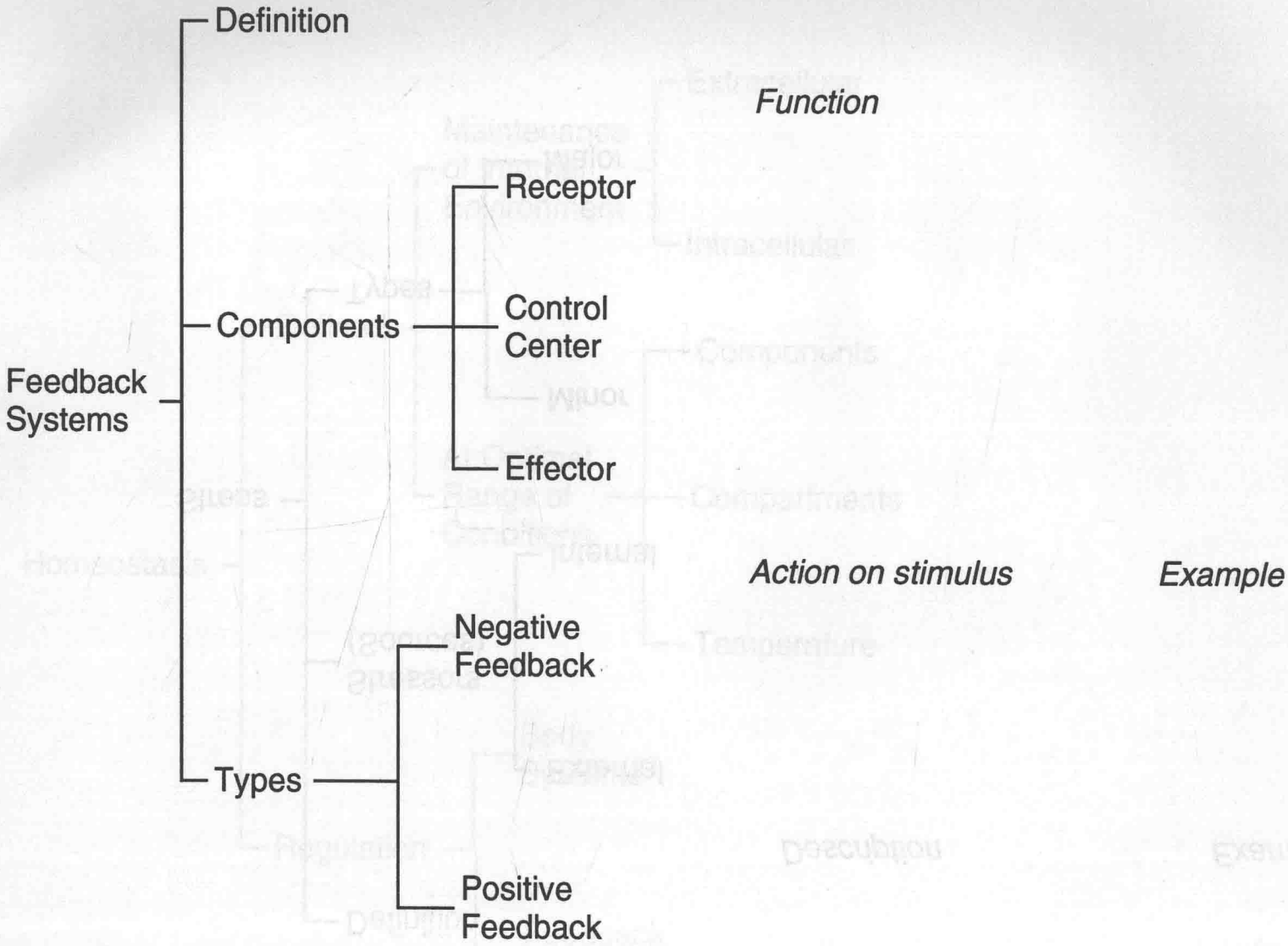


1-5 Define homeostasis.



Description *Example*

1-6 ... Explain the effects of stress on homeostasis.



1-7 Describe the components of a feedback system. Contrast the operation of + and – feedback systems.