Biology Chapter 37: Introduction to Body Structure Chapter Objectives:

Body Organization

Levels of structural organization

Organ systems

Skeletal System

The skeleton

Growth of bones

Joints

• Muscular System

Muscles and movement

Muscle contraction

• Skin, Hair, and Nails

Skin

Skin disorders

Skin disorders			
/ocabulary			At the end of this unit, you should be able to:
1.	Epithelial tissue	19. Myosin	 Identify four levels of structural organization within the human body Analyze the four kinds of body tissues List the body's manor organ systems Evaluate the importance of endothermic in maintaining homeostasis Distinguish between the axial skeleton and the appendicular skeleton Analyze the structure of bone Summarize the process of bone development List two ways to prevent osteoporosis
2.	Nervous tissue	20. Myofibril	
3.	Connective	21. Sarcomere	
	tissue	22. Epidermis	
4.	Muscle tissue	23. Keratin	
5.	Body cavity	24. Melanin	
6.	Axial skeleton	25. Dermis	
7.	Appendicular	26. Hair follicle	
	skeleton	27. Subcutaneous	 Identify the three main classes of joints Describe the action of muscle pairs in moving
8.	Bone marrow	tissue	 the body Relate the structure of a skeletal muscle to t muscle's ability to contract
9.	Periosteum	28. Sebum	
10	10. Haversian canal <u>Body positions</u>		Describe how energy is supplied to muscles for
11	. Osteocyte	29. Frontal	 contraction Analyze the structure and function of the
12	. Osteoporosis	30. Dorsal	epidermis
13	. Joint	31. Medial	Describe how the dermis helps the body maintain homeostasis
14	. Ligament	32. Lateral	 Summarize how hair and nails are formed Identify various types of skin disorders
15	. Tendon	33. Anterior	
16	. Flexor	34. Posterior	
17	. Extensor	35. Superior	
18	. Actin	36. Inferior	