Name	Class	Date	

Chapter 36 Skeletal, Muscular, and Integumentary Systems

Section 36-1 The Skeletal System (pages 921-925)

TEKS FOCUS: 5A Specialization of structure and function of bones; 10A Functions of the skeletal system; **TEKS SUPPORT:** 11C Importance of nutrition and exercise on health

This section describes the skeletal system and its functions.

Introduction (page 921)

1. What forms the skeletal system?

The Skeleton (page 921)

2. List the functions of the skeletal system.

a. _____

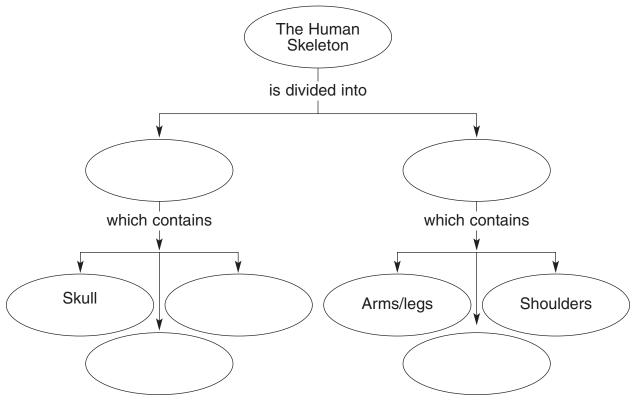
d. _____

b. _____

e.

C. _____

- **3.** Is the following sentence true or false? Most bones act like levers on which muscles act to produce movement. _____
- **4.** Is the following sentence true or false? There are 106 bones in the adult human skeleton.
- **5.** Complete the concept map.

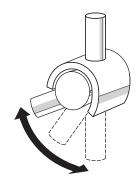


Name	Class Date
6. What is the general function of	the axial skeleton?
Structure of Bones (page 922)	
7. The two minerals that make up and	most of the mass of bone are
8. Is the following sentence true of	or false? Bones are living tissue
Match each structure in a bone with its	s description.
Structure	Description
9. Periosteum	a. Network of tubes running through bone
10. Compact bone	b. Soft tissue contained in bone cavities
11. Haversian canals	c. Tough layer of connective tissue surrounding bone
12. Spongy bone	d. Thick layer of dense bone beneath the periosteum
13. Bone marrow	e. Bone with a latticework structure
14. Cells that produce bone are call	led
Development of Bones (pages	0.022 (0.22)
-	omposed almost entirely of a type of connective tissue
called	imposed annost entirely of a type of conficetive assuc
	ge is made from two proteins called
and	•
17. Circle the letter of each sentence	e that is true about cartilage.
a. It contains blood vessels.	c. It cannot support weight.
b. It is dense and fibrous.	d. It is extremely flexible.
	uring the process of bone formation called
	false? By adulthood, all the cartilage in the body has been
replaced by bone	
Types of Joints (page 924)	
20. What is a joint?	
21 List the three classifications of i	joints, based on their type of movement.
a	onto, based on their type of movement.
1	

22. What are examples of immovable joints?

- 23. Is the following sentence true or false? The joints between the two bones of the lower leg are slightly movable joints.
- **24.** Identify the type of freely movable joint represented in each of the drawings below.







25. Is the following sentence true or false? Ball-and-socket joints permit the widest range of movement. _____

Structure of Joints (pages 924–925)

- **26.** Circle the letter of each sentence that is true about the structure of joints.
 - **a.** Cartilage protects the ends of bones as they move against each other at joints.
 - **b.** Ligaments hold bones together at joints.
 - c. Synovial fluid prevents the ends of bones from slipping past each other at joints.
 - **d.** A bursa is a swelling caused by inflammation of a joint.

Skeletal System Disorders (page 925)

- **27.** Inflammation of a bursa is called ______.
- 28. A serious disorder that involves inflammation of one or more joints is
