Name Class Date

Chapter 36 Skeletal, Muscular, and Integumentary Systems

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

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. _____

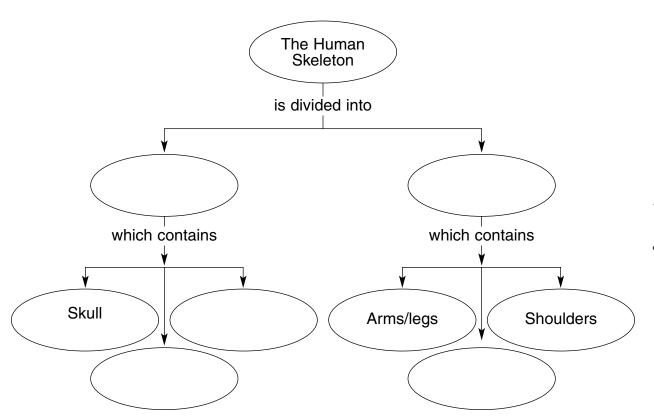
d. ____

b. _____

e. _

c. _____

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



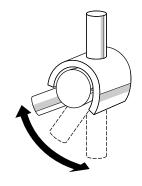
Name	Class	Date
6. What is the general function of	the axial skeleton?	
Structure of Bones (page 922)		
7. The two minerals that make up and	o most of the mass of bor	ne are
8. Is the following sentence true of	or false? Bones are living	tissue.
Match each structure in a bone with it	s description.	
Structure	Description	
9. Periosteum	a. Network of tubes r	unning through bone
10. Compact bone	b. Soft tissue containe	d in bone cavities
11. Haversian canals	c. Tough layer of con	nective tissue surrounding bone
12. Spongy bone	d. Thick layer of dens	e bone beneath the periosteum
13. Bone marrow	e. Bone with a latticev	work structure
14. Cells that produce bone are cal	led	
Development of Bones (page	s 922–923)	
15. The skeleton of an embryo is co-called		of a type of connective tissue
16. The network of fibers in cartilage and	ge is made from two prote	eins called
17. Circle the letter of each sentence	ce that is true about cartil	lage.
a. It contains blood vessels.	c. It cannot support	weight.
b. It is dense and fibrous.	d. It is extremely fle	xible.
18. Cartilage is replaced by bone d	uring the process of bon	e formation called
19. Is the following sentence true or replaced by bone.	•	ne cartilage in the body has been
Types of Joints (page 924)		
20. What is a joint?		
21. List the three classifications of j	joints, based on their typ	e of movement.
a		
b		

c. _

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
