	Name	Class	Date
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#### Chapter 36. Skeletal Muscular and Integumentary Systems

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

#### **C** Key Concepts

- What are the functions of the skeletal system?
- What is the structure of a typical bone?
- What are the three different kinds of joints?

### Introduction (page 921)

1. What forms the skeletal system?

## The Skeleton (page 921)

2. List the functions of the skeletal system.

a. \_\_\_\_\_ d. \_\_\_\_

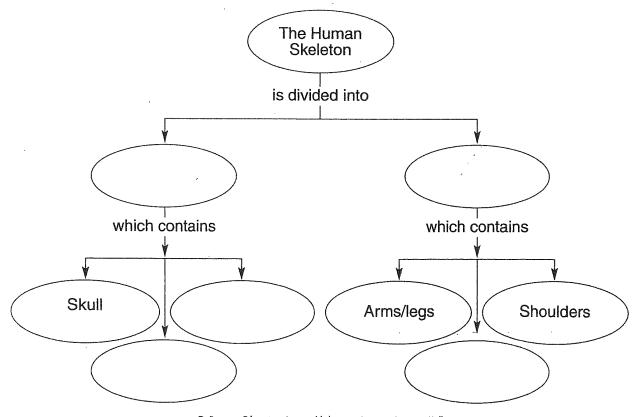
b. \_\_\_\_\_\_ e. \_\_\_\_

C. \_\_\_\_\_

3. Is the following sentence true or false? Most bones act like levers on which muscles act to produce movement. \_\_\_\_\_

4. How many bones are there in the adult human skeleton? \_\_\_\_\_

5. Complete the concept map.



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6. What is the general function o	f the axial skeleton?	
Structure of Bones (page	922)	
7. The two minerals that make u	most of the mass of bone	are
and		
<b>8.</b> Is the following sentence true of	or false? Bones are living tis	ssue.
Match each structure in a bone with it	s description.	
Structure	Description	
9. Periosteum	a. Network of tubes run	ning through bone
10. Compact bone	b. Soft tissue contained in	n bone cavities
11. Haversian canals	c. Tough layer of connec	tive tissue surrounding bone
12. Spongy bone	d. Thick layer of dense be	one beneath the periosteum
13. Bone marrow	e. Bone with a latticewor	k structure
<ul> <li>15. The skeleton of an embryo is concalled</li> <li>16. The network of fibers in cartilage and</li> <li>17. Circle the letter of each sentence a. It contains blood vessels.</li> <li>b. It is dense and fibrous.</li> </ul>	e is made from two proteins e that is true about cartilage	e callede.
18. Cartilage is replaced by bone du	uring the process of bone fo	ormation called
19. Is the following sentence true or f replaced by bone.  Types of Joints (page 924)  20. What is a joint?		
21. List the three classifications of jo	oints, based on their type of	movement.
b		
C		

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22.	What are examples of immovable joints?
	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.
	Is the following sentence true or false? Ball-and-socket joints permit the widest range of movement.
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.
	eletal System Disorders (page 925) Inflammation of a bursa is called

28. A serious disorder that involves inflammation of one or more joints is

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