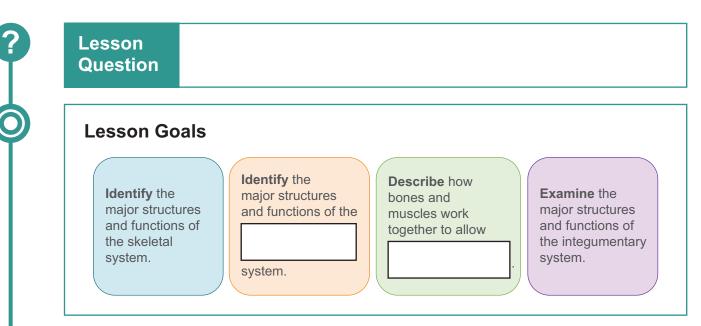


# Warm-Up

W 2K

#### The Musculoskeletal and Integumentary Systems



#### Words to Know

Fill in this table as you work through the lesson. You may also use the glossary to help you.

the strong, dense outer layer of a bone
the tissue in the hollow part of the bone where blood cells are produced
the lightweight, inner layer of a bone that contains many small spaces
a flexible connective tissue
a type of tissue that functions mainly for support and binding tissues and organs together
the point where two or more bones come together
a connective tissue that holds bones together
the striated, involuntary muscle found only in the heart



# Warm-Up

W 2K

C

### The Musculoskeletal and Integumentary Systems

Words to Know	w
	a striated, voluntary muscle that is attached to bones and helps the body move
	a type of muscle that is not controlled by the organism
	marked with stripes
	a nonstriated, involuntary muscle found in internal organs
	a type of muscle that is controlled by the organism
	a type of connective tissue that links muscles to bones

#### Levels of Organization

The is the basic unit of

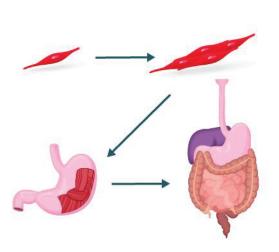
structure and function of all living things.

A is a group of cells that

work together to perform a common function.

An is a group of tissues

that work together to perform a common function.



• An organ system is a group of organs that work together to perform a common

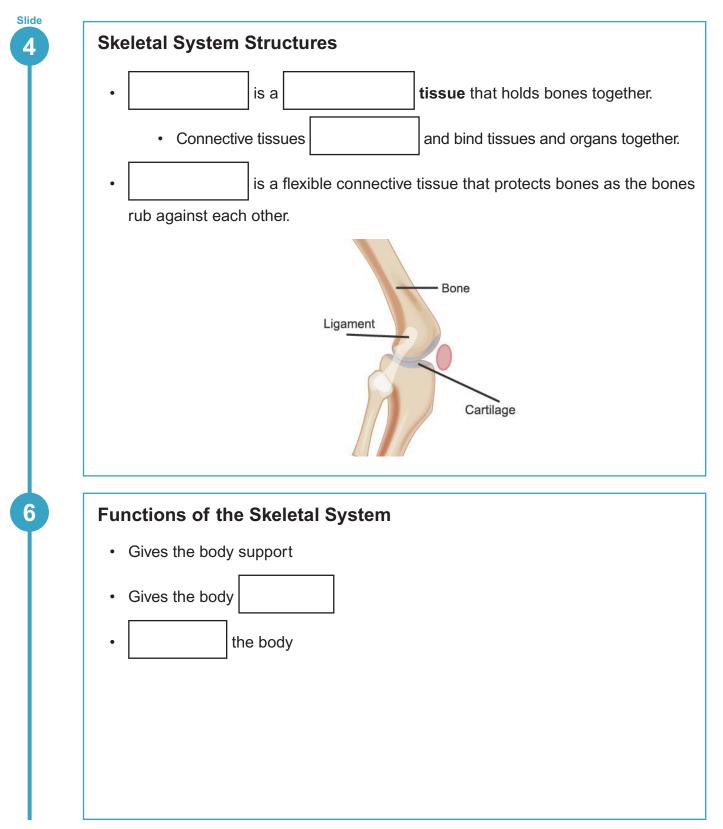


# Instruction

in the ear.	found
<ul> <li>The biggest, longest, and strongest bone in the body is the</li> <li>The smallest bone in the body, called the, is in the ear.</li> </ul>	found
The smallest bone in the body, called the, is in the ear.	found
in the ear.	found
Bone Layers	
• <b>bone</b> is the strong, dense outer layer of a bone.	
bone is the lightweight, inner layer of a bone that of a bone	ontain
many small spaces.	ontain
Bone is the tissue in the hollow part of the bone.	
Skeletal System Structures	
A is the point where two or more come to	togeth

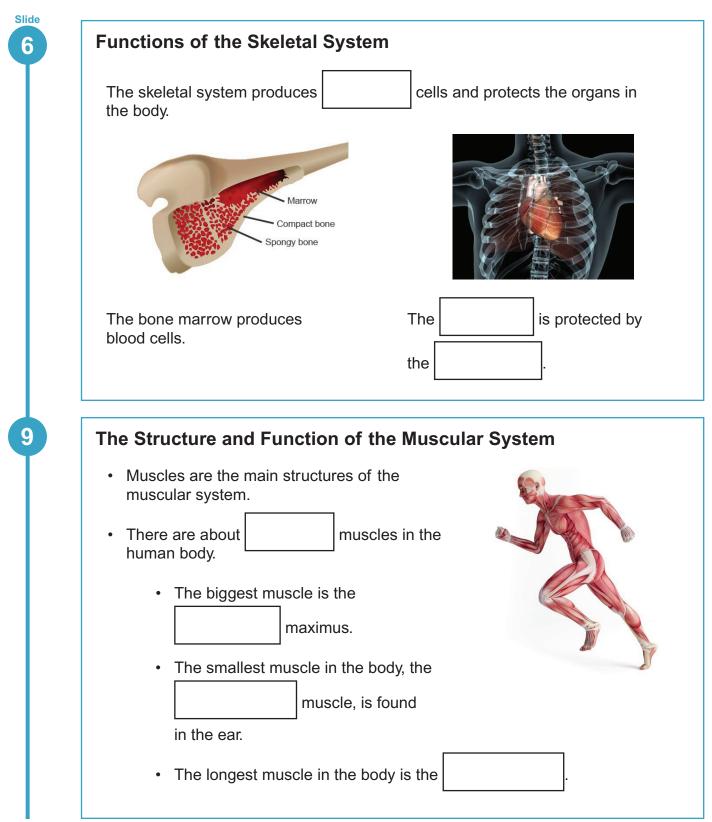


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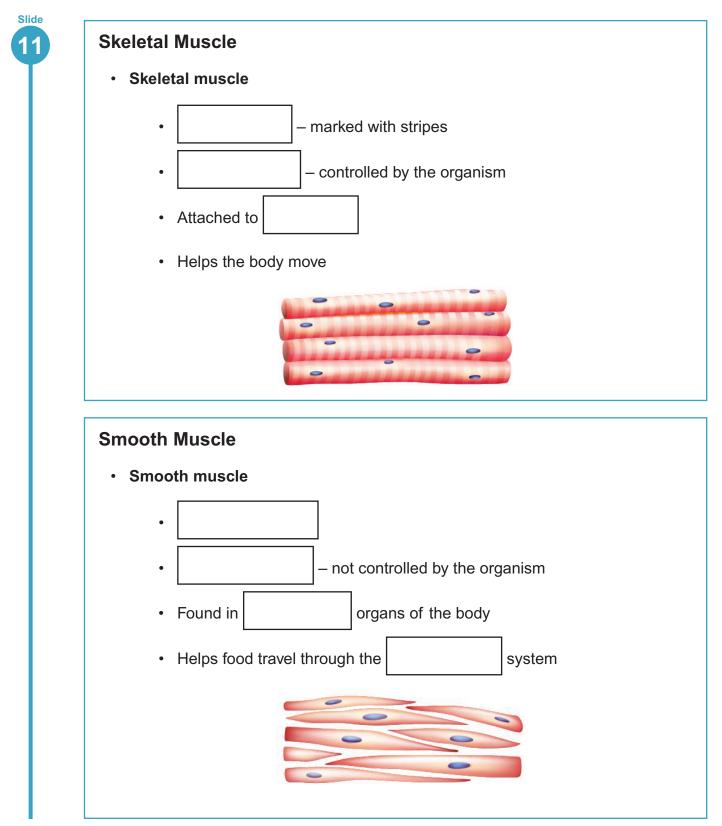


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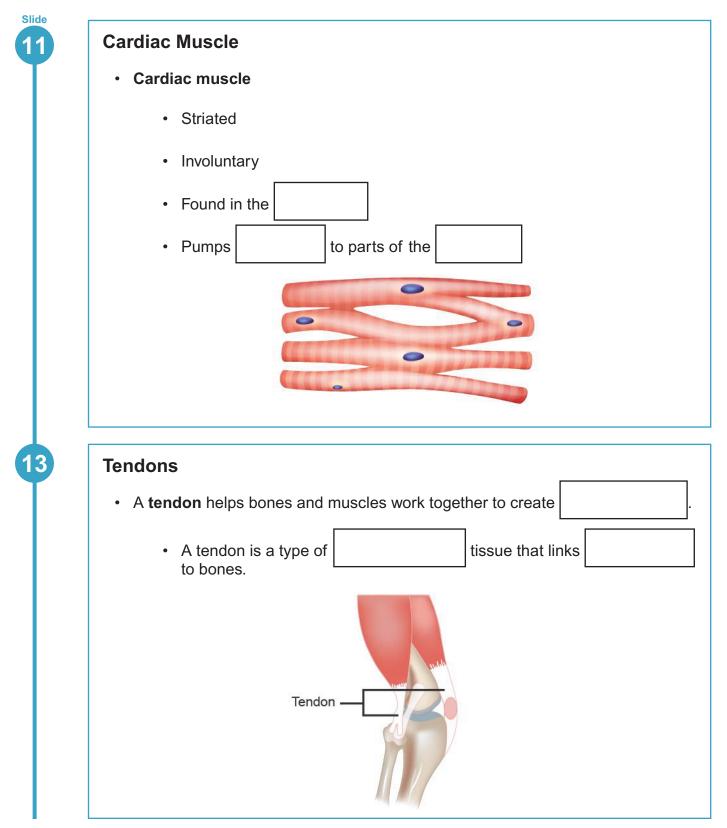


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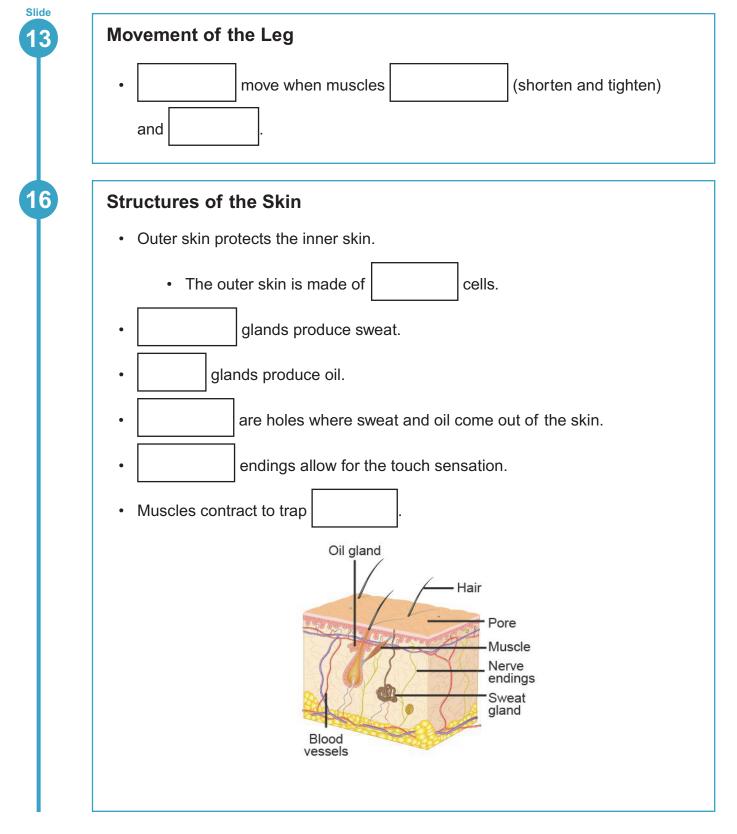


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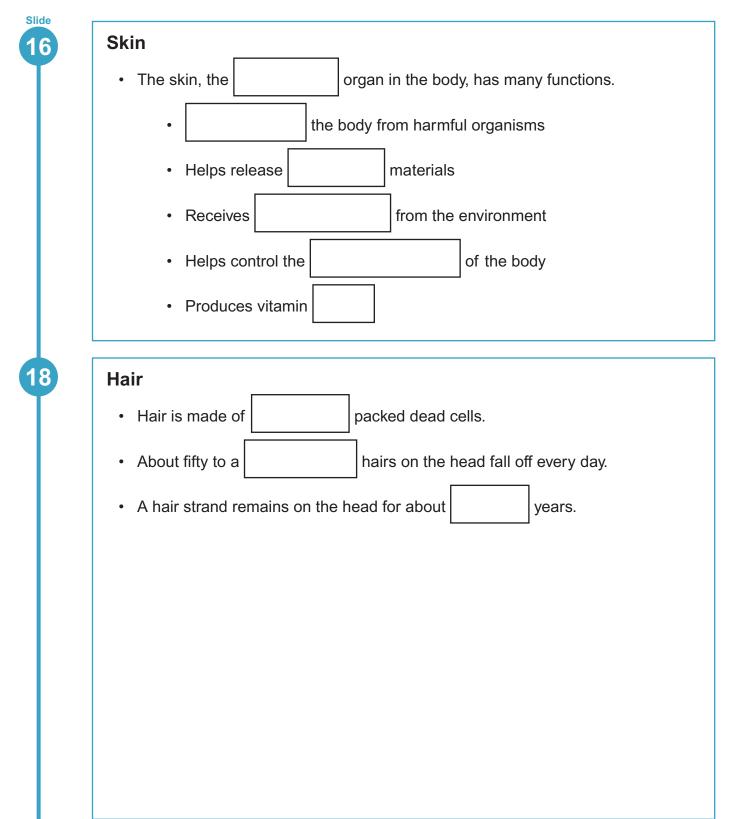


# Instruction



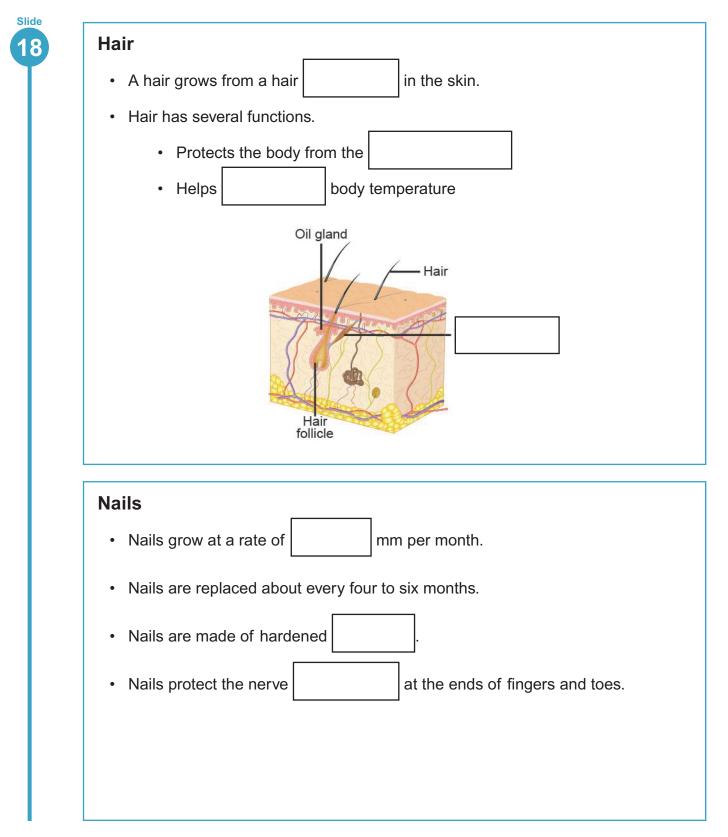


# Instruction





# Instruction





# Summary

#### The Musculoskeletal and Integumentary Systems



Slide 2

Lesson Question	What are the structures and functions of muscles, bones, and skin
Answer	

are the main structures of the skeletal system.

- Bones are made up of compact bone, spongy bone, and bone marrow.
- Other structures that help the skeletal system include joints, cartilage, and ligaments.
- The functions of the skeletal system are to:

give and shape to the body.

- protect internal organs.
- allow movement of the body.
- produce blood cells.



### Summary

### The Musculoskeletal and Integumentary Systems



#### **Review: Key Concepts**

- are the main structures of the muscular system.
- The three types of muscle are skeletal, smooth, and cardiac.
- The muscular system functions to allow movement.
- The muscular and skeletal systems work together to move different parts of the body.
- The main structures of the \_\_\_\_\_\_ system are skin, hair, and nails.
- The main function of the integumentary system is to protect the body.

Use this space to write any questions or thoughts about this lesson.