

# Contents



## Contents

### Cells, Skeletal & Muscular Systems

- Cells – The Building Blocks of Life
- Cell Structures and Functions
- Cells, Tissues, Organs and Systems
- What Are Organs and Organ Systems?
- The Skeletal System – Bones
- The Skeletal System – Joints and Cartilage
- The Muscular System – Muscles
- The Muscular System – Movement
- Crossword
- Word Search

# Reading Passage



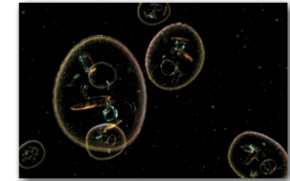
## Reading Passage

Cells, Skeletal & Muscular Systems  
Cells – The Building Blocks of Life

**Cells** are called the building blocks of life because every living thing in the world is made of cells.

### Unicellular Organisms

Some living things are very simple and are only one cell in size. These are called **unicellular organisms**. This one cell is able to do all the things needed to keep the organism healthy and alive. The cell can move, eat, breathe, remove waste and reproduce. There are many unicellular organisms in the world but most are far too small to see without a **microscope**. **Amoeba** and **bacteria** are examples of unicellular organisms. The largest unicellular organism is the ostrich egg!



[continue reading](#)

# Interactive Activity

## Parts of a Cell

Cell Membrane



Cytoplasm

Lysosomes



(label)

Made of water and protein; where most of the cell work takes place.

(label)

(hint)

Nucleus

(label)

(hint)

Mitochondria



Reset

# Memory Match Game

## Organ Systems Memory Match Game

Digestive  
Muscular

Circulatory  
Skeletal

Respiratory  
Nervous

Respiratory	?	?	
?	Circulatory	?	?
?		?	?

Mix

Reset



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### Senses, Nervous & Respiratory Systems

- The Nervous System – Brain
- The Nervous System – Spinal Cord and Nerves
- The Sense of Sight
- The Sense of Hearing
- The Sense of Touch
- The Senses of Taste and Smell
- The Respiratory System
- The Respiratory System – Lungs
- Crossword
- Word Search

# After You Read



## After You Read

Senses, Nervous & Respiratory Systems  
The Sense of Touch

1 2 3 4

Which part of the body has more pain receptors?

- A) The backs of our hands.
- B) Our eyes.
- C) Our fingertips.
- D) They all have the same.

# WELL DONE!



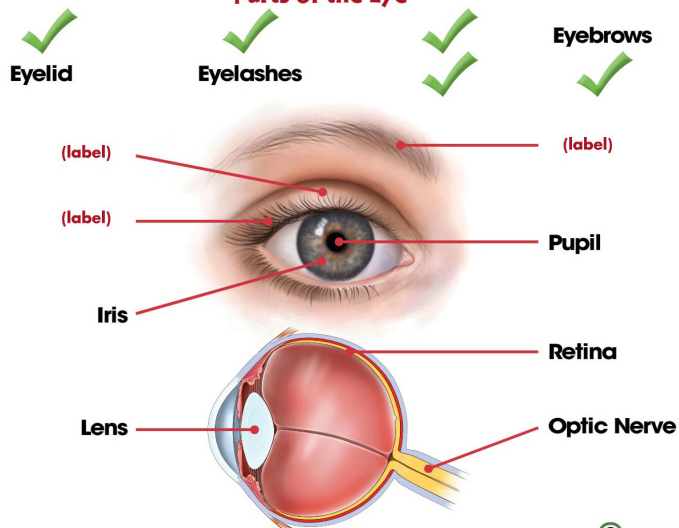
### Open Discussion:

Why would a doctor need a very good sense of touch?

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# Interactive Activity

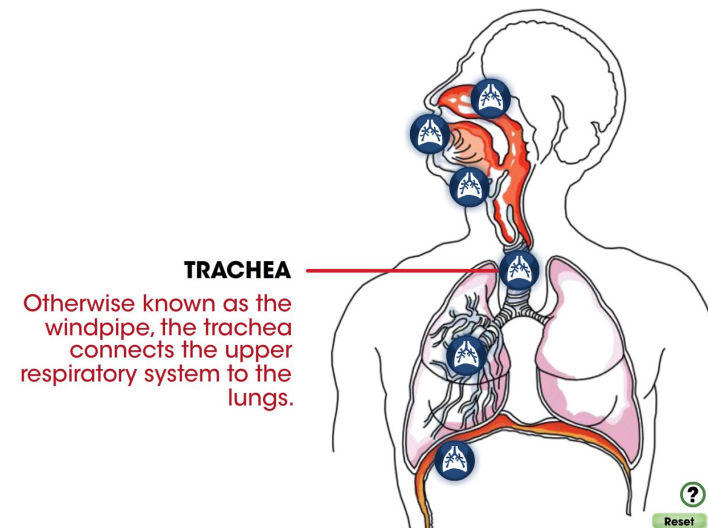
## Parts of the Eye



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# Interactive Activity

## Parts of the Respiratory System



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### Circulatory, Digestive & Reproductive Systems

- The Circulatory System – Blood Vessels
- The Circulatory System – Heart
- The Circulatory System – Blood
- The Digestive System – Mouth to Stomach
- The Digestive System – From Stomach to Fuel
- The Excretory System – Skin, Liver and Lungs
- The Excretory System – Kidneys and Large Intestine
- The Reproductive System
- Crossword
- Word Search

# Before You Read



## Before You Read

Circulatory, Digestive & Reproductive Systems  
The Excretory System – Kidneys and Large Intestine

1 2

Touch the word that would best complete each sentence.

- ✓ **WASTE** / **FOOD** a) Our excretory system can be called our \_\_\_\_\_ removal system.
- ✓ **TUBS** / **TUBES** b) The kidneys are filled with millions of \_\_\_\_\_.
- ✓ **PORCH** / **POUCH** c) Our bladder is a \_\_\_\_\_ that holds urine.
- ✓ **SELLS** / **CELLS** d) The kidneys send some of the cleaned water back to the \_\_\_\_\_.
- ✓ **SOLID** / **SOLD** e) The colon stores \_\_\_\_\_ waste from the body.

# WELL DONE!

Reset

# Interactive Activity

## The Growth Cycle of a Fetus Timeline

4 Weeks / 1 Month

9 Weeks / 2 Months

12 Weeks / 3 Months

16 Weeks / 4 Months

20 Weeks / 5 Months

24 Weeks / 6 Months

28 Weeks / 7 Months

32 Weeks / 8 Months

38 Weeks / 9 Months



**24 Weeks / 6 Months:** The fetus weighs about 1.5 pounds (0.7 kg). Smooth skin begins as the fetus puts on baby fat. The eyes are now fully developed, and the lungs continue to form.

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# Crossword Puzzle

## Crossword

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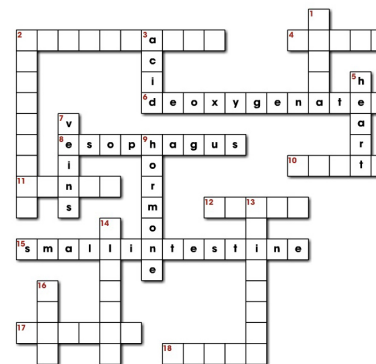
### Word List

circulates  
colon

filter  
lungs  
pores

water  
white

Across / Down



2. Blood \_\_\_\_\_ through the blood vessels.
4. Another word for large intestine.
6. Something with oxygen taken away.



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