

## Lesson 6: How Does Food and Oxygen Get to a Cell?

### Brain Building Broadcast: The Circulatory System

#### Purpose

Watch the video located at any one of the following addresses:

<https://goo.gl/VBGFzh>

<http://vimeo.com/157915961>

<https://youtu.be/xMN7yLApLD0>



#### Your Progress:

- Mastery
- Proficient
- Developing
- Beginning

Watch the video carefully and be sure that you understand the lesson. Re-watch any part of the video that is unclear to you. Pause the video, to write the definitions of the word wall words. After watching the video carefully, answer the following questions:

#### Word Wall:

Circulatory System: \_\_\_\_\_  
\_\_\_\_\_

Blood Vessels: \_\_\_\_\_  
\_\_\_\_\_

Arteries: \_\_\_\_\_  
\_\_\_\_\_

Veins: \_\_\_\_\_  
\_\_\_\_\_

Capillaries: \_\_\_\_\_  
\_\_\_\_\_

Alveoli: \_\_\_\_\_  
\_\_\_\_\_

## Questions

Mr. Bingaman made several comparisons in the video. Match the ideas on the left to the concepts they represent on the right.

\_\_\_\_\_ Beach

\_\_\_\_\_ Candy Factory

\_\_\_\_\_ Expressways

\_\_\_\_\_ Main Roads

\_\_\_\_\_ Side Streets

\_\_\_\_\_ Houses

A. Arteries and Veins

B. Cells

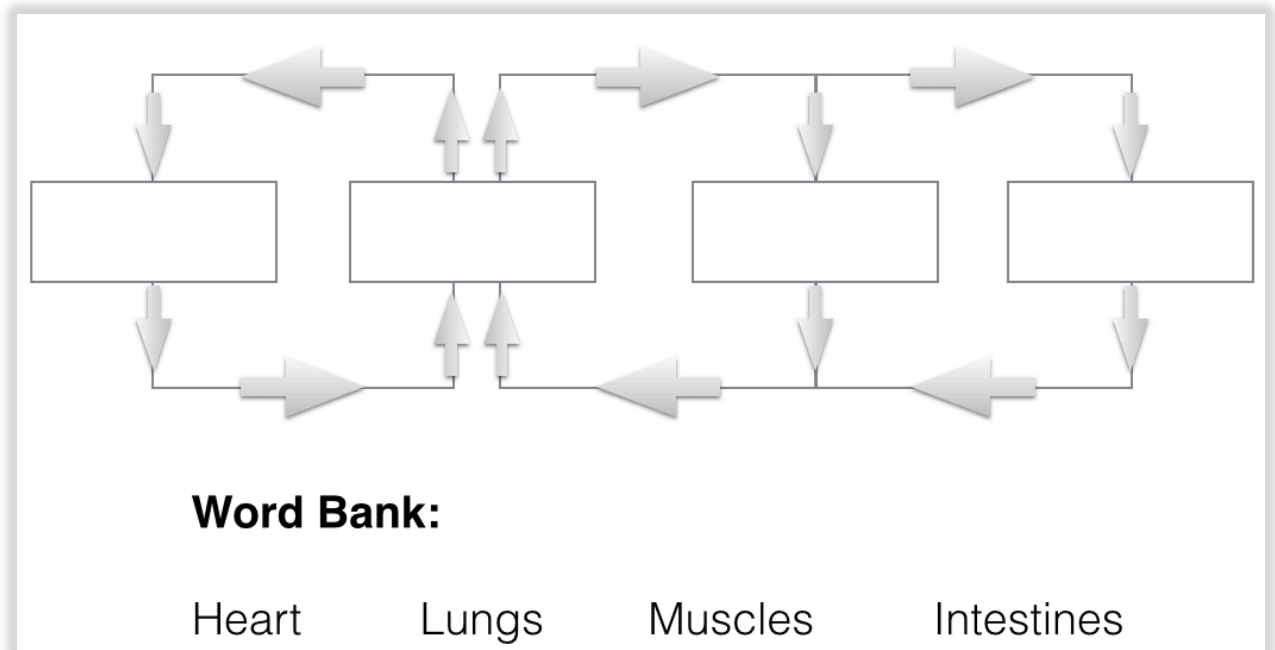
C. Lungs

D. Small Intestines

E. Blood Vessels

F. Capillaries

Use the word bank to label the diagram below to show the correct path the blood takes through the circulatory system:



Why do the passages that carry the blood start out large, as arteries but then get smaller and smaller?

- To keep the blood pressure from being too high.
- To deliver blood to every individual cell.
- Because the arteries are too big.
- To make the blood hold more oxygen.

Which best describes the path that blood travels?

- A circular path from the heart to the lungs, to the muscles and back.
- Blood goes straight out from the heart in all directions then turns around and goes back.
- A figure eight path, from the heart, to the lungs, back to the heart, then to the muscles and back.
- Air travels from the lungs to the heart where it is mixed with the blood and is pumped out to the body.