

# Part 6 Circulatory System

Name: \_\_\_\_\_

## Part 6 Lesson 1 Intro

Circulatory System: Delivers \_\_\_\_\_ and \_\_\_\_\_ to the body and carries carbon \_\_\_\_\_ and other \_\_\_\_\_ products away.

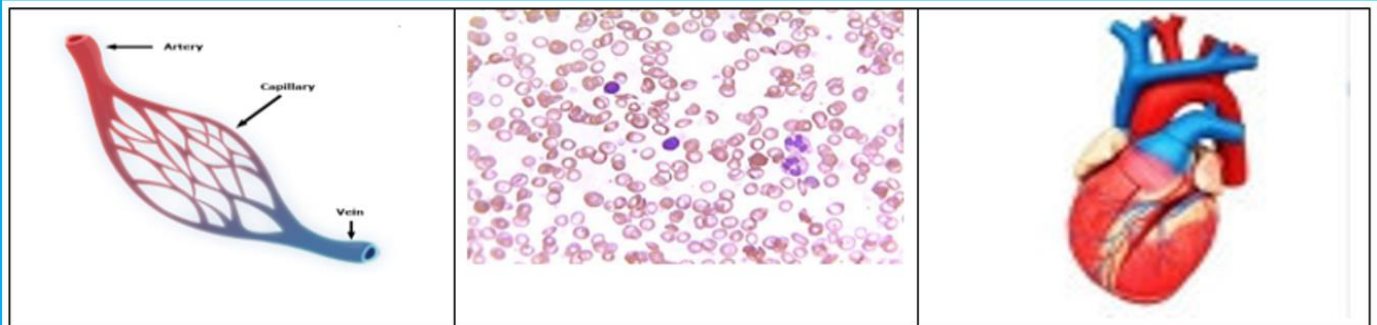
◇ Please describe what needs to enter, and what needs to leave the person below as it relates to the circulatory system



Consists of the following

\_\_\_\_\_ Vessels  
 \_\_\_\_\_  
 \_\_\_\_\_

◇ The circulatory system consists of these three...



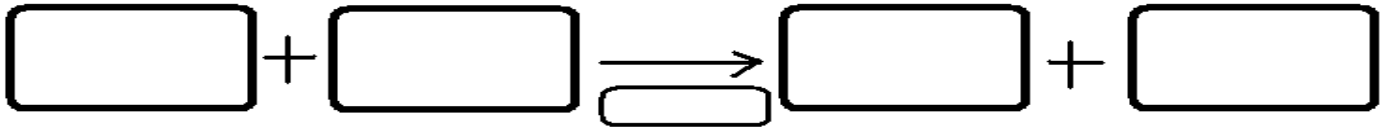
Cellular Respiration: Processes whereby certain organisms obtain \_\_\_\_\_ from organic molecules.

Cellular Respiration

- Burns \_\_\_\_\_ for energy.
- Energy is \_\_\_\_\_. ADP+P to ATP
- Occurs in most \_\_\_\_\_.
- \_\_\_\_\_ is used.
- \_\_\_\_\_ is produced.
- \_\_\_\_\_ dioxide produced. "Waste Product"

-Occurs in \_\_\_\_\_ and \_\_\_\_\_.

Write out the equation for **cellular respiration** in the boxes below.



Which of the following is the correct equation for cellular respiration?

- 1 A)  $C_6H_{12}O_6 + 6H_2O = \text{Released energy} + 6CO_2 + 6H_2O.$
- 2 B)  $C_6H_{12}O_6 + 6O_2 = \text{Released energy} + 6CO_2 + 6H_2O.$
- 3 C)  $C_6H_{12}O_6 + 6O_2 = \text{Released energy} + 6O_2 + 6H_2O.$
- 4 D)  $C_{12}H_6O_6 + 6O_2 = \text{Released energy} + 6CO_2 + 6H_2O.$
- 5 E)  $C_6H_{12}O_6 + 6CO_2 = \text{Released energy} + 6O_2 + 6H_2O.$

Human Heart: Important organ that provides a continuous \_\_\_\_\_ of blood.

Bright Red = Oxygen Rich

Blue = Oxygen Poor

The function of the circulatory system.

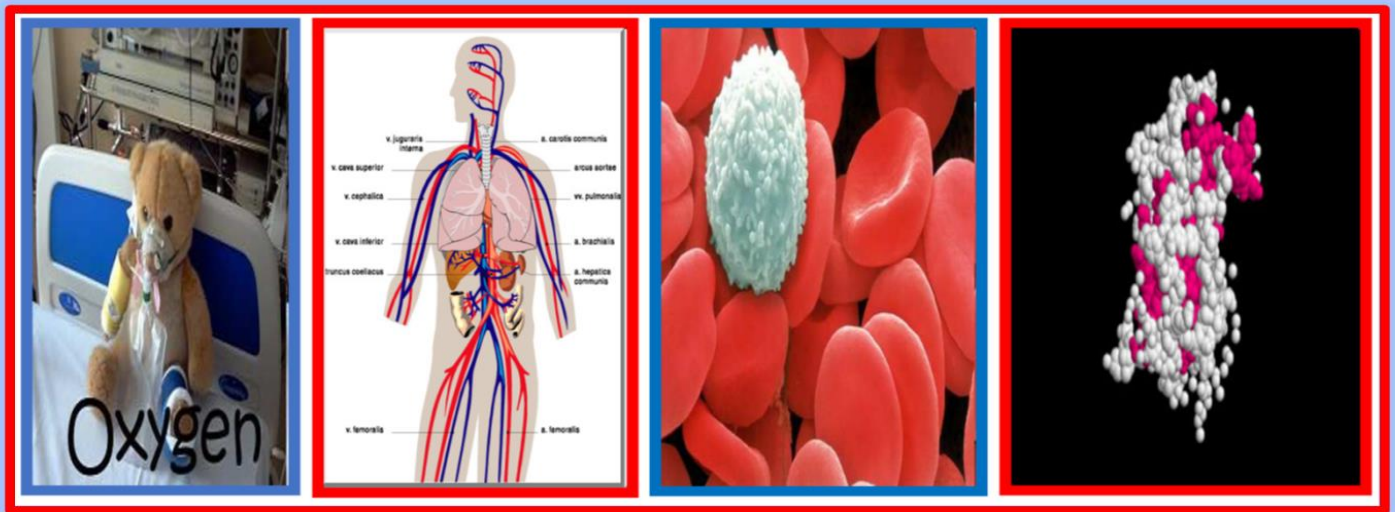
To deliver \_\_\_\_\_ and \_\_\_\_\_ to cells.

To carry away \_\_\_\_\_.

To aid in \_\_\_\_\_ prevention.

To deliver chemical messages (\_\_\_\_\_).

◇ Name the four functions of the circulatory system below?



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**Part 6 Lesson 2 The Heart**

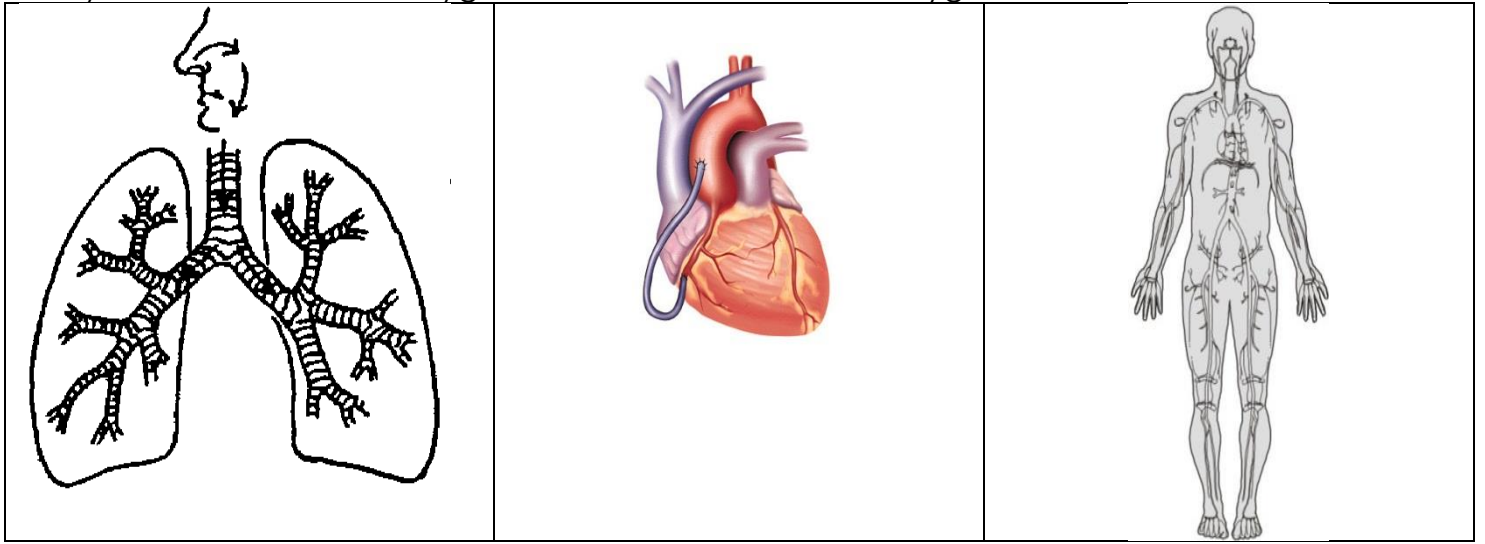
The circulatory system

Powered by the \_\_\_\_\_.

Blood carries food, oxygen, waste, chemical messages.

Blood vessels provide the \_\_\_\_\_ of \_\_\_\_\_ and have unique structures.

Please place COLORED (Red and Blue) arrows to represent the flow of blood in the human body. Which arrows are oxygenated, and which are deoxygenated?



Questions to answer in work bundle to classroom simulation.  
-Describe the journey of blood through the circulatory system.

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What did the colored chips represent? How did they change through your journey?

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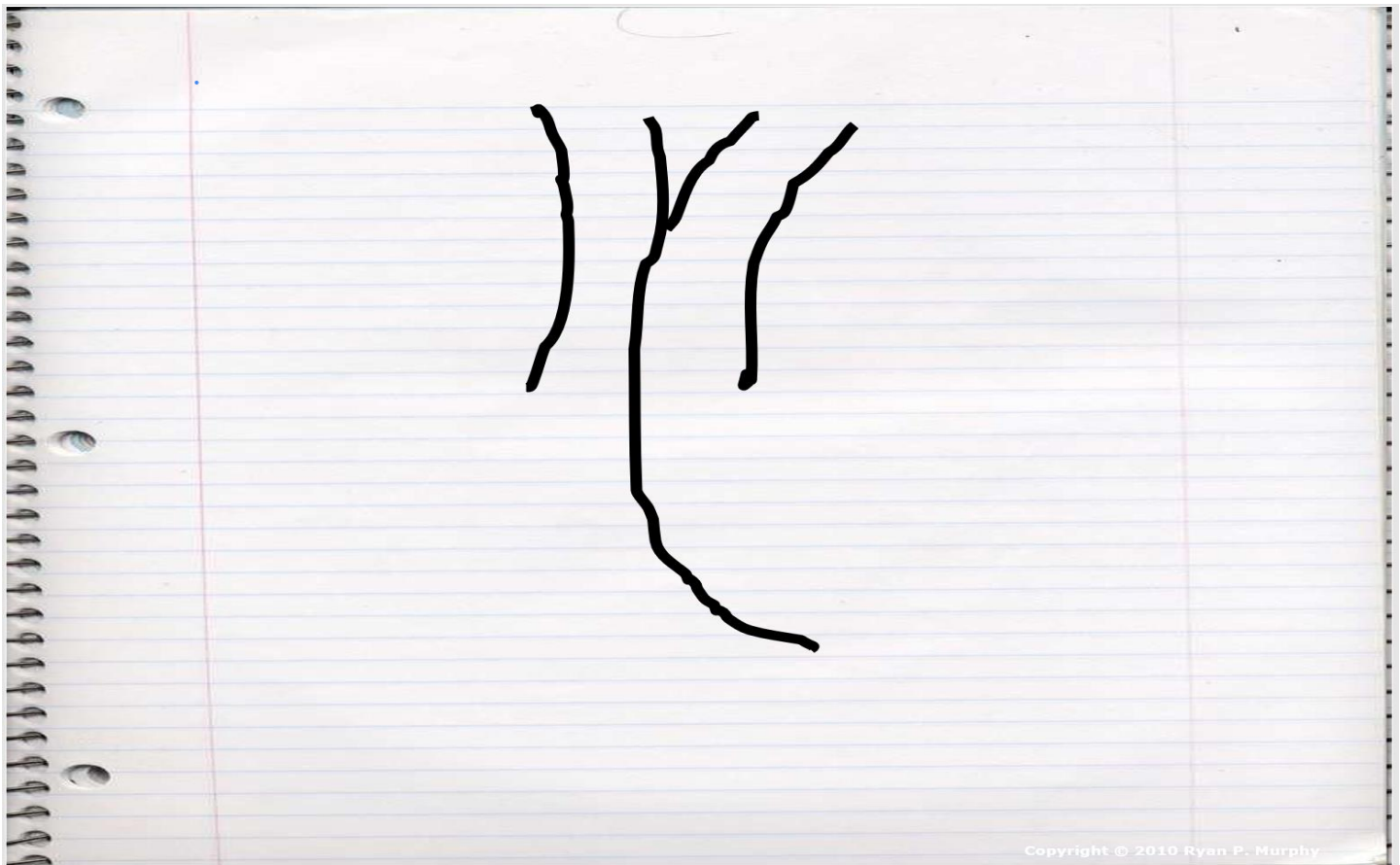
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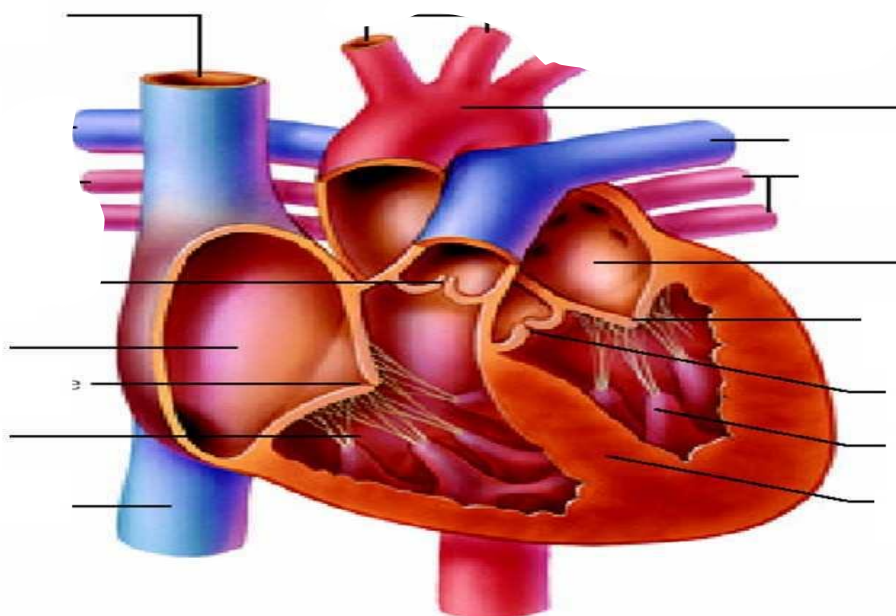
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As the body uses oxygen (cellular respiration) the blood becomes depleted in oxygen. It then travels to the heart, which pumps it to the lungs to get oxygen. The blood heads back to the heart, and then gets pumped to the body.

Part 6 Lesson 3 Veins and Arteries



◇ Name the parts of the heart below. ◇ Also use arrows to show how bloods flows through the heart. Use terms such as "to the heart" and "To the lungs" and "To the body."



Question? Which side of your heart needs to work harder? Why?

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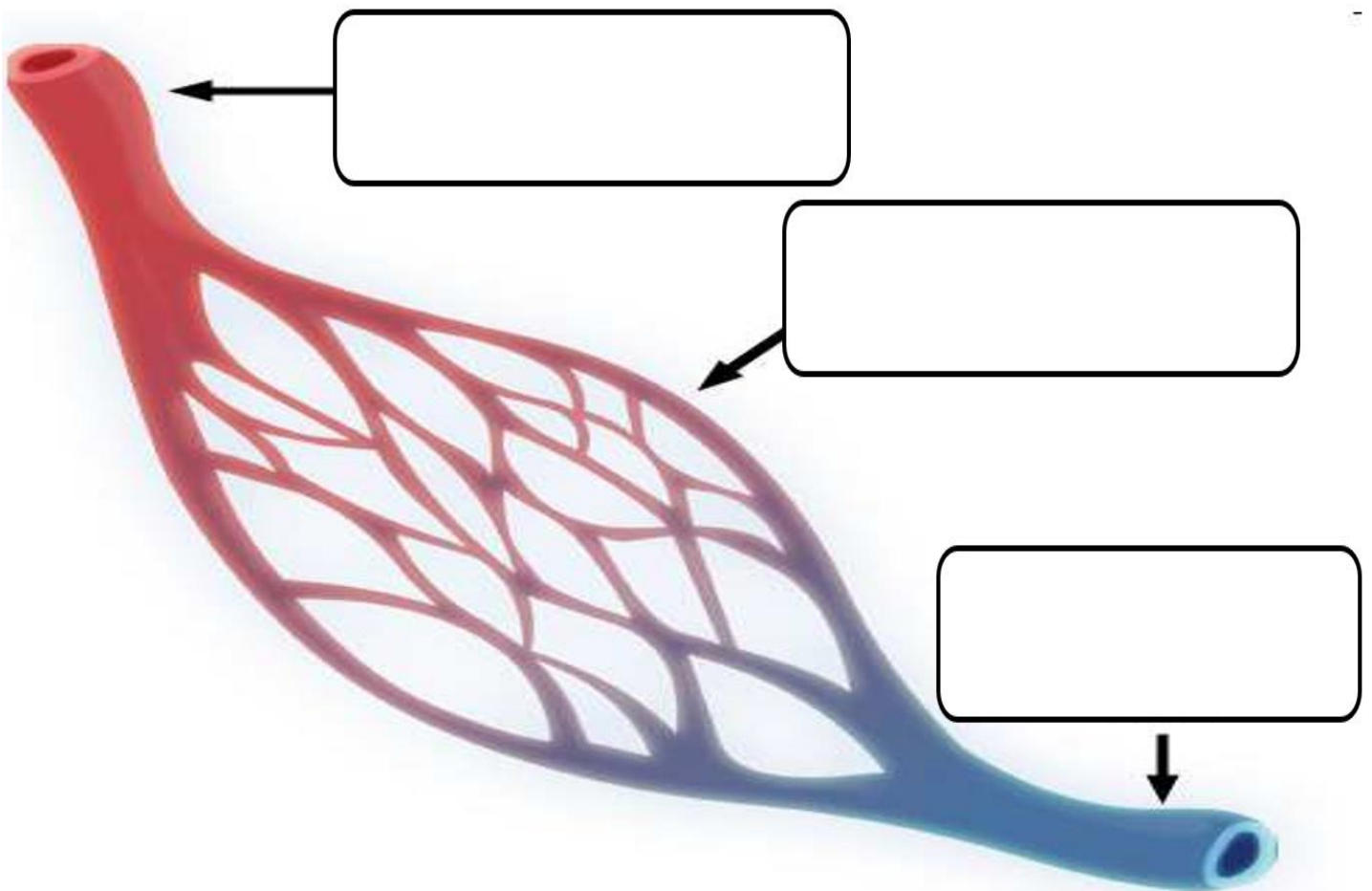


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◇ Please name the three parts of the picture below? Which one has oxygen rich blood, and which one carries oxygen depleted blood?



Quiz Wiz! 1-10 Name the parts of the heart.

1)	2)	3)	4)
5)	6)	7)	8)
9)	10)	*11)	

## Part 6 Lesson 4

Blood Pressure: The \_\_\_\_\_ of blood pushing against the walls of the arteries as the heart pumps blood. Flows from \_\_\_\_\_ to \_\_\_\_\_ pressure.

Hypertension: \_\_\_\_\_ blood pressure through blood vessels. Heart must work harder to pump blood and this may cause leaks in blood vessels.

Watch \_\_\_\_\_, Reduce \_\_\_\_\_ in diet, Eat more sensibly, Exercise regularly, Medicine only after you have tried the above.

Some common diseases...

Atherosclerosis: \_\_\_\_\_ of artery walls, fats such as \_\_\_\_\_ collects on wall, over time it may \_\_\_\_\_ blood flow (heart attack).

Artery: Blood vessel that carries blood \_\_\_\_\_ from the heart.

Capillary: Extremely \_\_\_\_\_ blood vessels.

Vein: Blood vessel that carries blood \_\_\_\_\_ the heart.

Go back to the prior page and describe blood pressure as it relates to arteries, veins, and capillaries

## Part 6 Lesson 5 Blood Types

Blood: A specialized bodily \_\_\_\_\_ that delivers necessary substances to the body's cells.

- Such as \_\_\_\_\_ and oxygen – and transports \_\_\_\_\_ products away from those same cells.

Blood is made up of...

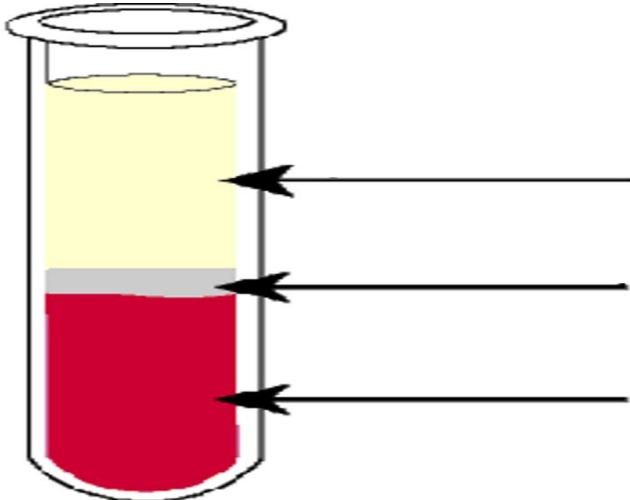
\_\_\_\_\_ Blood Cells

\_\_\_\_\_ Blood Cells

Platelets

\_\_\_\_\_

Describe what blood is made of? Name the percentages of each component?



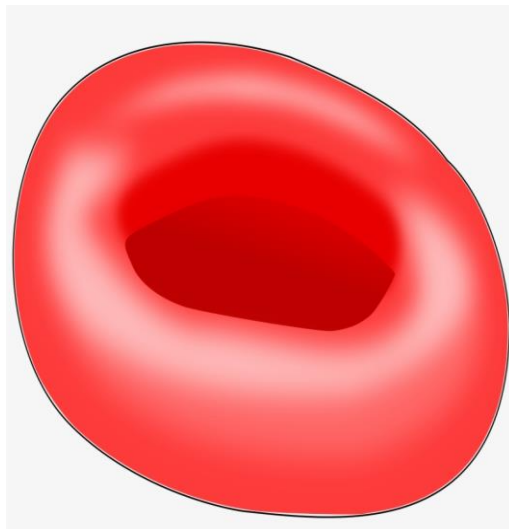
Plasma: Fluid of blood, \_\_\_\_\_ water, \_\_\_\_\_ sugars, fats, salts, gases, and proteins.

- Controls amount of \_\_\_\_\_ in blood.
- Has \_\_\_\_\_ proteins that fight off disease.
- Blood \_\_\_\_\_ agents.
- Carries \_\_\_\_\_ messages (hormones).
- Carries \_\_\_\_\_ products.

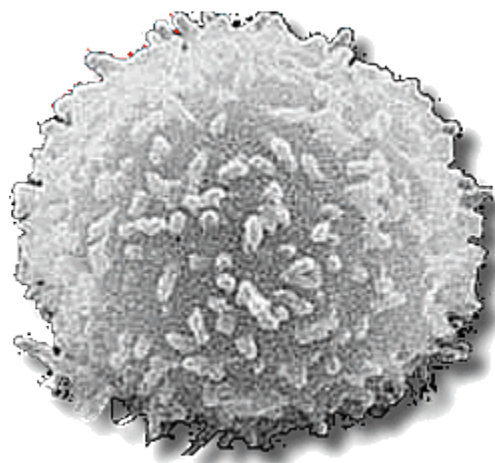
Red Blood Cells: Produced in \_\_\_\_\_ marrow, no \_\_\_\_\_ in cell (mature cell), delivers \_\_\_\_\_ to cells, carries away \_\_\_\_\_.

Hemo\_\_\_\_\_: Protein in blood that helps blood \_\_\_\_\_ with oxygen and carbon dioxide.

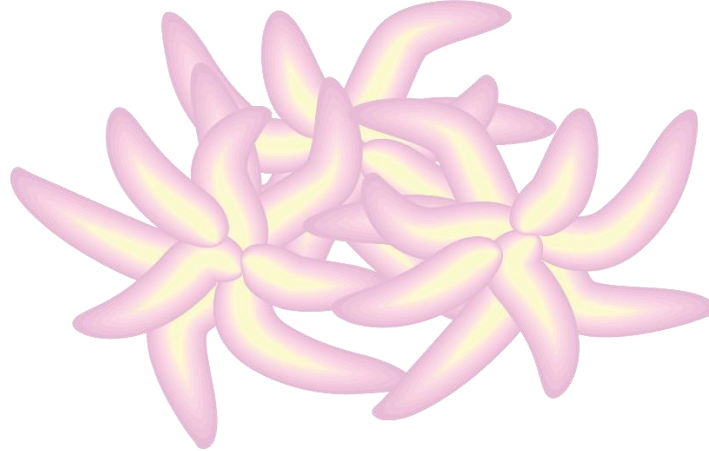
Record some information around this red blood cell? Why is shaped this way?



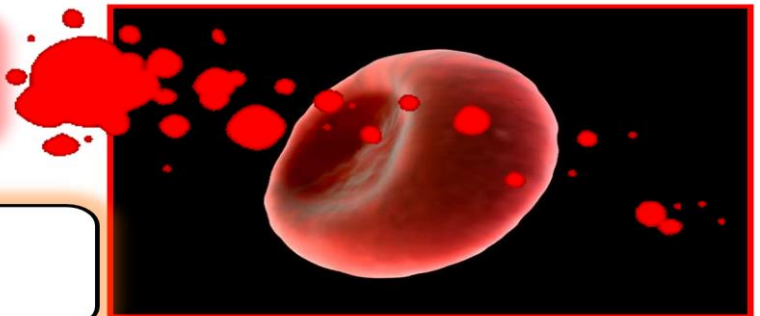
White Blood Cells: Circulate throughout the body providing protection against foreign organisms and matter.

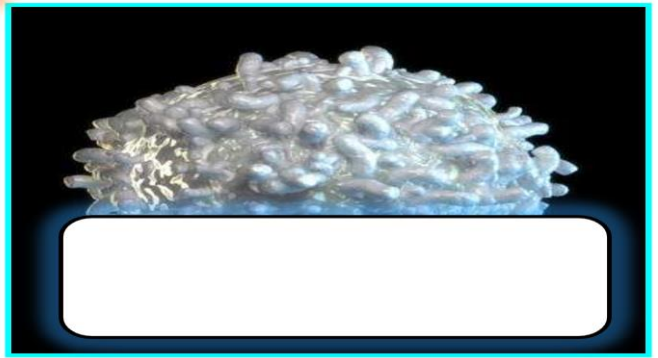
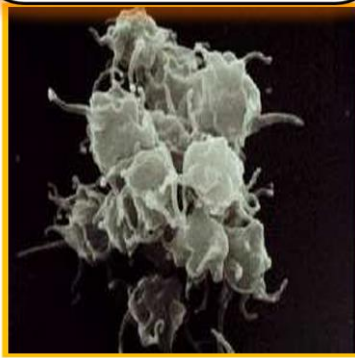


Platelets: Irregularly shaped bodies with sticky surfaces that form clots to stop bleeding.



Name the blood cells below.



◇Please name the four parts of blood in the boxes below using the descriptions to help you.

<p>-Circulate throughout the body providing protection against foreign organisms and matter.</p>	<p>Irregularly shaped bodies with sticky surfaces that form clots to stop bleeding.</p>
<p>Controls amount of water in blood. Has antibody proteins that fight off disease. -Blood clotting agents. -Carries chemical messages (hormones). -Carries waste products.</p>	<p>-Produced in bone marrow, no nucleus in cell (mature cell), delivers oxygen to cells, carries away CO2. -Hemoglobin: Protein in blood that helps blood bind with oxygen and carbon dioxide.</p>



Part 6 Lesson 6 Blood Types

Can you freely exchange blood from one person to another? Explain below.

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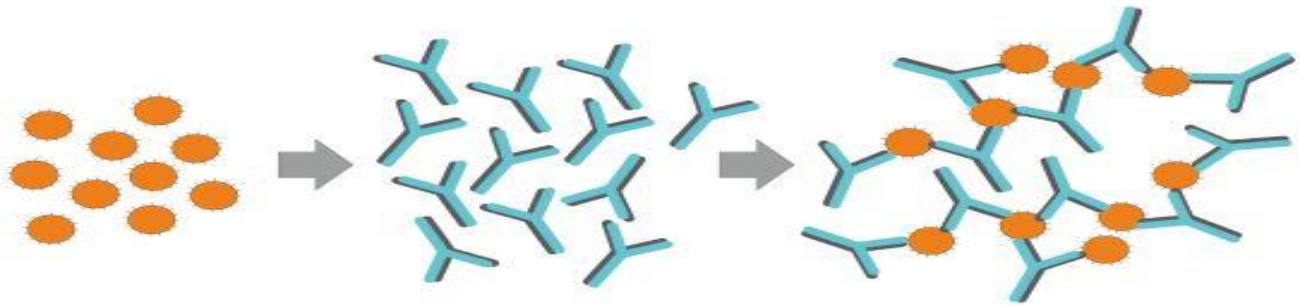
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Antigen: A substance that when introduced into the body stimulates the production of an \_\_\_\_\_.

Antibody: A blood protein produced in response to and counteracting a specific \_\_\_\_\_.

Which is the antigen, and which is the antibody below.



Please complete the sketch of the blood groups as described in the slideshow.

A

B

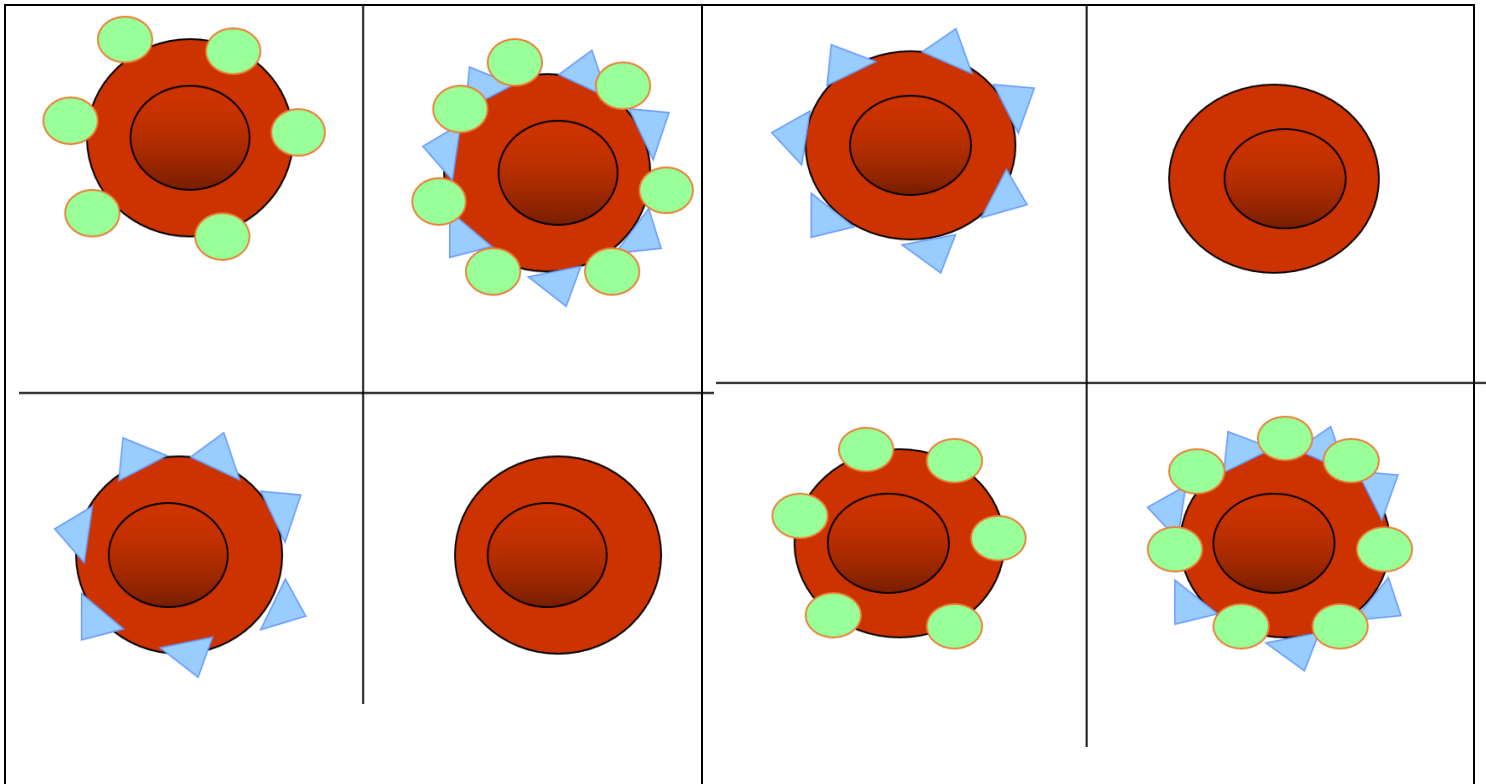
AB

O

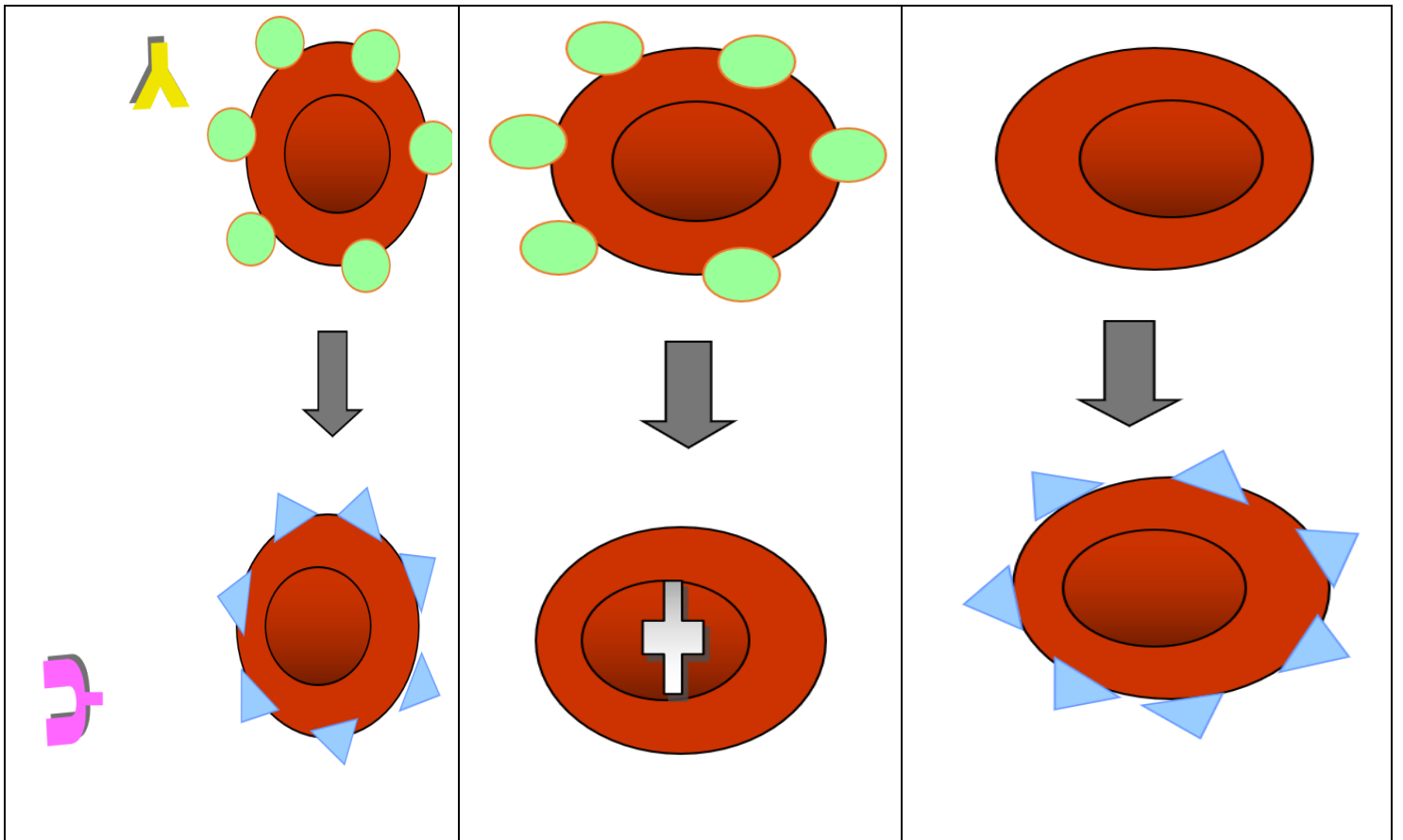
**Blood Groups**

	Antibody
	Antibody
	A Antigen
	B Antigen

Name the correct blood types below.



Will the transfusion below be a safe one?



There is another antigen that some people may have.

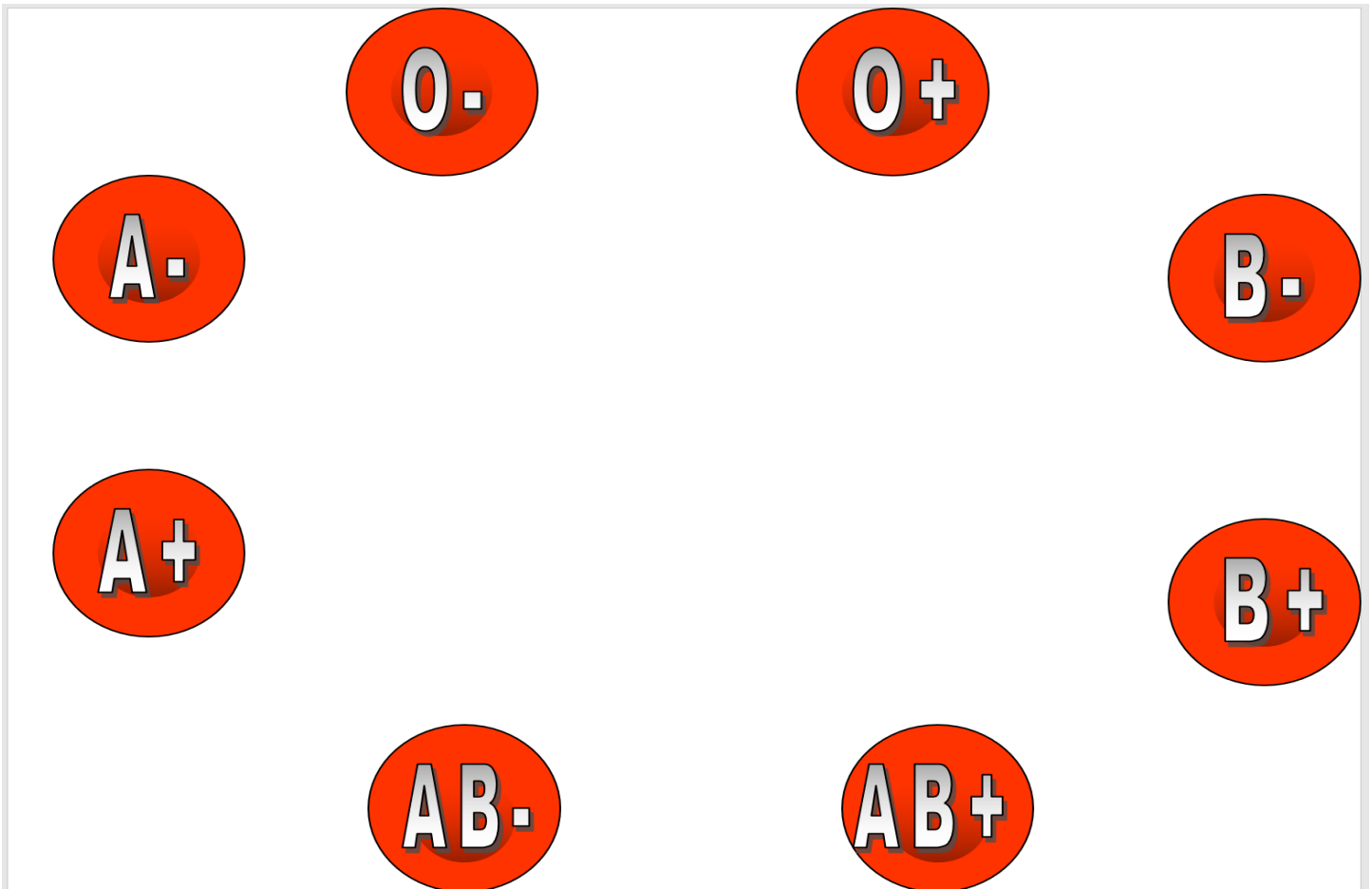
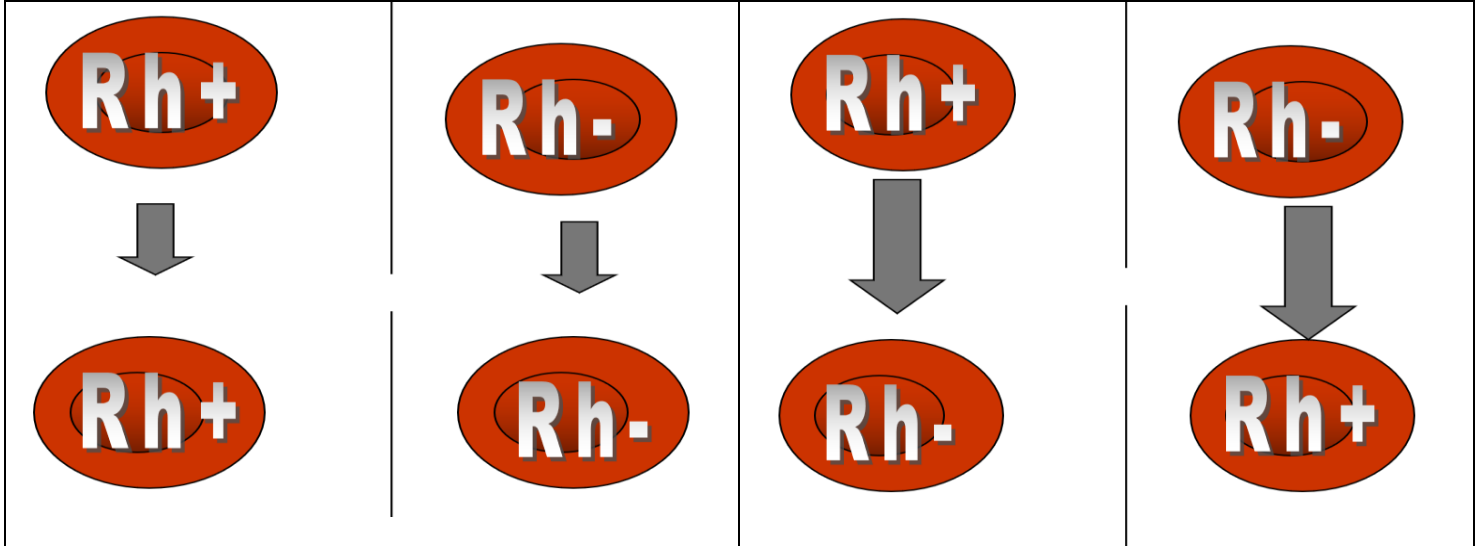
If you have it your... Rh+

If you don't your... Rh-

Rh+ should \_\_\_\_\_ share blood with someone who is Rh-

Rh- can \_\_\_\_\_ to a person who is Rh+

Describe if each transfusion below is safe or will cause harm?



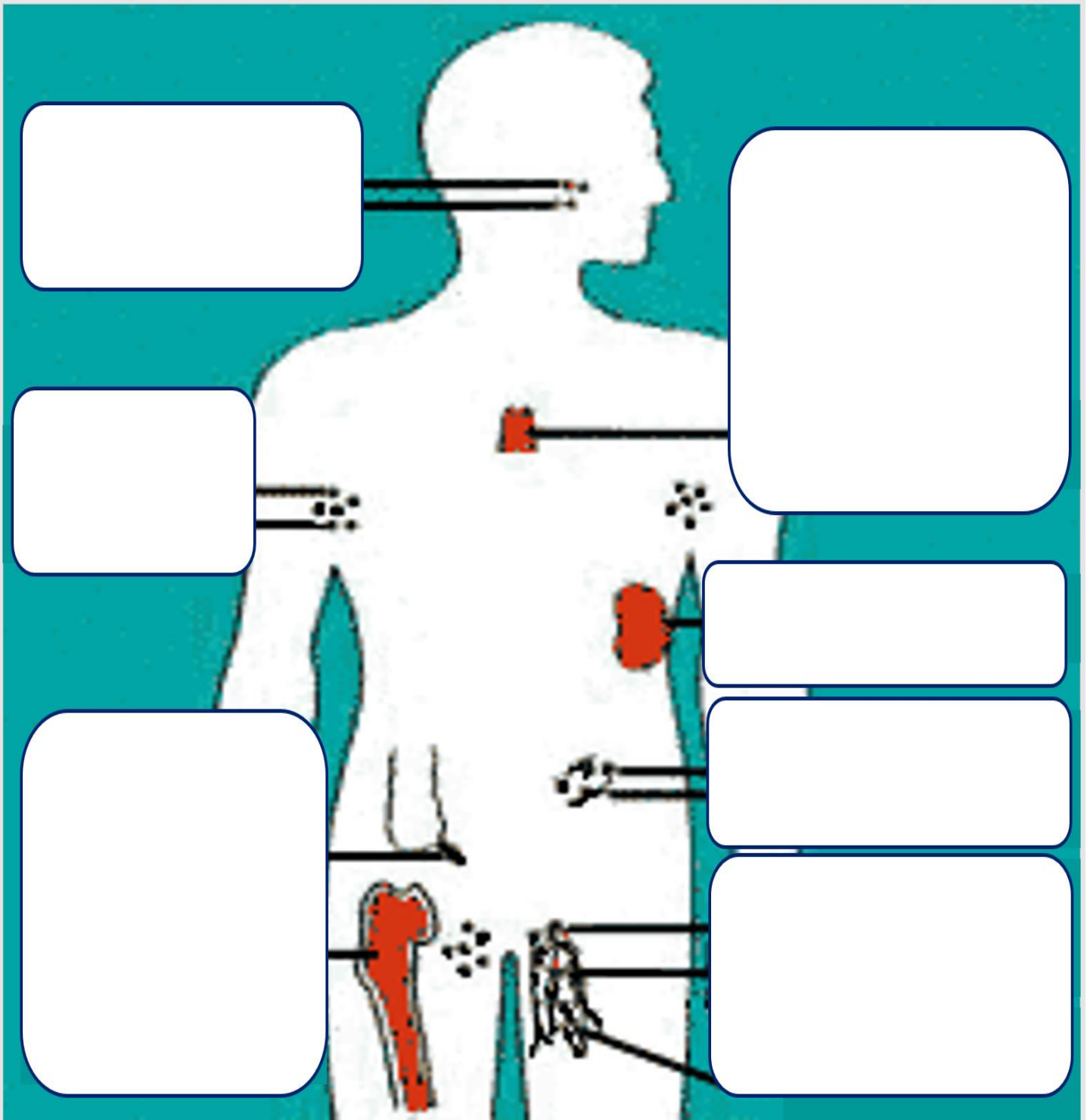
Part 6 Lesson 7 The Lymphatic System

Lymphatic System: A part of the circulatory system, comprising a \_\_\_\_\_ of lymphatic vessels that carry a clear fluid called \_\_\_\_\_.

Lymph contains \_\_\_\_\_ blood cells.

Helps to rid the body of \_\_\_\_\_, waste, and unwanted materials.

Lymph is essentially \_\_\_\_\_ blood plasma.



**Across**

2. A blood protein produced in response to and counteracting a specific antigen
6. \_\_\_\_\_ System: A part of the circulatory system, comprising a network of lymphatic vessels that carry a clear fluid called lymph
8. Blood vessel that carries blood toward the heart.
9. \_\_\_\_\_ Blood Cells: Produced in bone marrow, no nucleus in cell (mature cell), delivers oxygen to cells, carries away CO<sub>2</sub>.
10. Protein in blood that helps blood bind with oxygen and carbon dioxide.
13. High blood pressure through blood vessels. Heart must work harder to pump blood and this may cause leaks in blood vessels.
16. Cellular \_\_\_\_\_: Processes whereby certain organisms obtain energy from organic molecules.
18. The function of the circulatory system. To deliver \_\_\_\_\_ messages (hormones).
20. A substance that when introduced into the body stimulates the production of an antibody.
22. \_\_\_\_\_ Blood Cells: Circulate throughout the body providing protection against foreign organisms and matter.

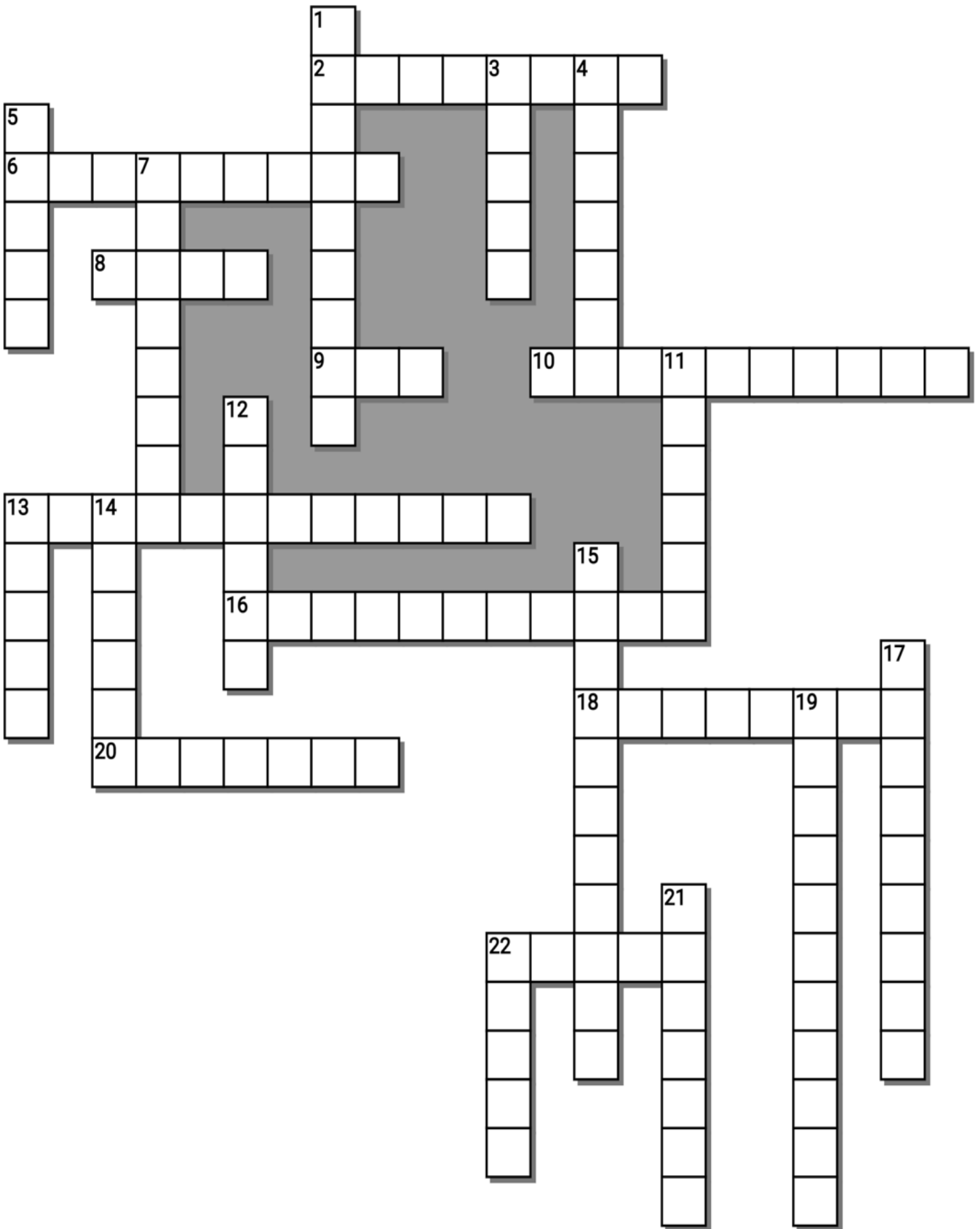
**Down**

1. Extremely thin blood vessels.
3. The circulatory system consists of the following Heart, Blood Vessels, \_\_\_\_\_
4. The function of the circulatory system. . To aid in \_\_\_\_\_ prevention.
5. A specialized bodily fluid that delivers necessary substances to the body's cells.
7. Blood \_\_\_\_\_: The force of blood pushing against the walls of the arteries as the heart pumps blood. Flows from high to low pressure.
11. The function of the circulatory system. To deliver food and \_\_\_\_\_ to cells.
12. Blood vessel that carries blood away from the heart.
13. The circulatory system consists of the following \_\_\_\_\_, Blood Vessels, Blood
14. Fluid of blood, 90% water, 10% sugars, fats, salts, gases, and proteins.
15. Human Heart: Important organ that provides a continuous \_\_\_\_\_ of blood.
17. Irregularly shaped bodies with sticky surfaces that form clots to stop bleeding
19. \_\_\_\_\_ System: Delivers food and oxygen to the body and carries carbon dioxide and other waste products away.
21. The circulatory system consists of the following Heart, Blood \_\_\_\_\_, Blood
22. The function of the circulatory system. To carry away \_\_\_\_\_.

-----Teacher can remove word bank to make more challenging-----

**Possible Answers**

ANTIBODY, ANTIGEN, ARTERY, BLOOD, BLOOD, CAPILLARY, CIRCULATORY, HEMOGLOBIN, HYPERTENSION, LYMPHATIC, PLASMA, PLATELETS, PRESSURE, RED, RESPIRATION, VEIN, VESSELS, WHITE, CHEMICAL, CIRCULATION, DISEASE, HEART, OXYGEN, WASTE



# Part 6 Review Game

Name: \_\_\_\_\_

1-20 = 5 pts **Part 6 Lesson 6**

\*20-\*25 \* = Bonus + 1 pt,

(Secretly write owl in correct space +1 pt)

Score \_\_\_\_ / 100

Final Question = 5 pt wager

THERE AND BACK AGAIN	LUB-DUB	HEART FELT	RED HOT	VALENTINES Bonus round 1 pt each
1)	6)	11)	16)	*21)
2)	7)	12)	17)	*22)
3)	8)	13)	18)	*23)
4)	9)	14)	19)	*24)
5)	10)	15)	20)	*25)

Final Question Wager \_\_\_\_ /5 Answer: \_\_\_\_\_

# Part 6 Circulatory System

Name: \_\_\_\_\_

## Part 6 Lesson 1 Intro

Circulatory System: Delivers food and oxygen to the body and carries carbon dioxide and other waste products away.

◇ Please describe what needs to enter, and what needs to leave the person below as it relates to the circulatory system

IN:

Food and  
oxygen



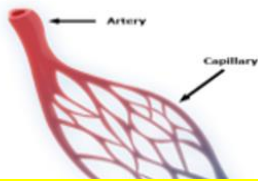
OUT:

Carbon dioxide  
(CO<sub>2</sub>) and waste

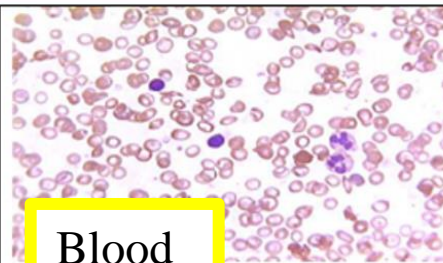
Consists of the following

- Heart
- Blood Vessels
- Blood

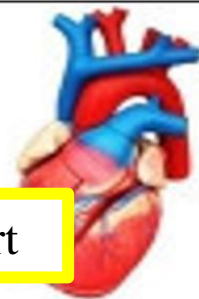
◇ The circulatory system consists of these three...



Blood vessels



Blood



Heart

Cellular Respiration: Processes whereby certain organisms obtain energy from organic molecules.

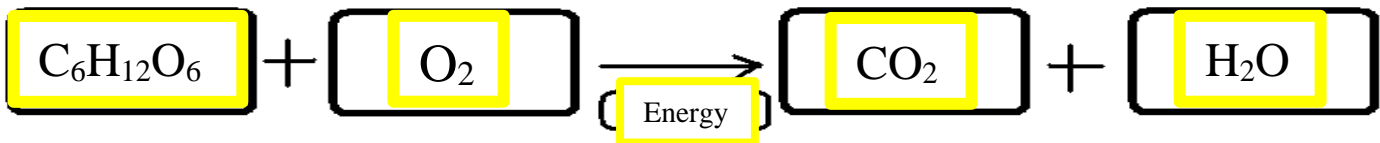
Cellular Respiration

- Burns **sugar** for energy.
- Energy is **used**. ADP+P to ATP
- Occurs in most **cells**.
- oxygen** is used.



- water is produced.
- carbon dioxide produced. "Waste Product"
- Occurs in light and dark.

Write out the equation for **cellular respiration** in the boxes below.



Which of the following is the correct equation for cellular respiration?

- 1 A)  $\text{C}_6\text{H}_{12}\text{O}_6 + 6\text{H}_2\text{O} = \text{Released energy} + 6\text{CO}_2 + 6\text{H}_2\text{O}$ .
- 2 B)  $\text{C}_6\text{H}_{12}\text{O}_6 + 6\text{O}_2 = \text{Released energy} + 6\text{CO}_2 + 6\text{H}_2\text{O}$ .
- 3 C)  $\text{C}_6\text{H}_{12}\text{O}_6 + 6\text{O}_2 = \text{Released energy} + 6\text{O}_2 + 6\text{H}_2\text{O}$ .
- 4 D)  $\text{C}_{12}\text{H}_6\text{O}_6 + 6\text{O}_2 = \text{Released energy} + 6\text{CO}_2 + 6\text{H}_2\text{O}$ .
- 5 E)  $\text{C}_6\text{H}_{12}\text{O}_6 + 6\text{CO}_2 = \text{Released energy} + 6\text{O}_2 + 6\text{H}_2\text{O}$ .

Human Heart: Important organ that provides a continuous circulation of blood.

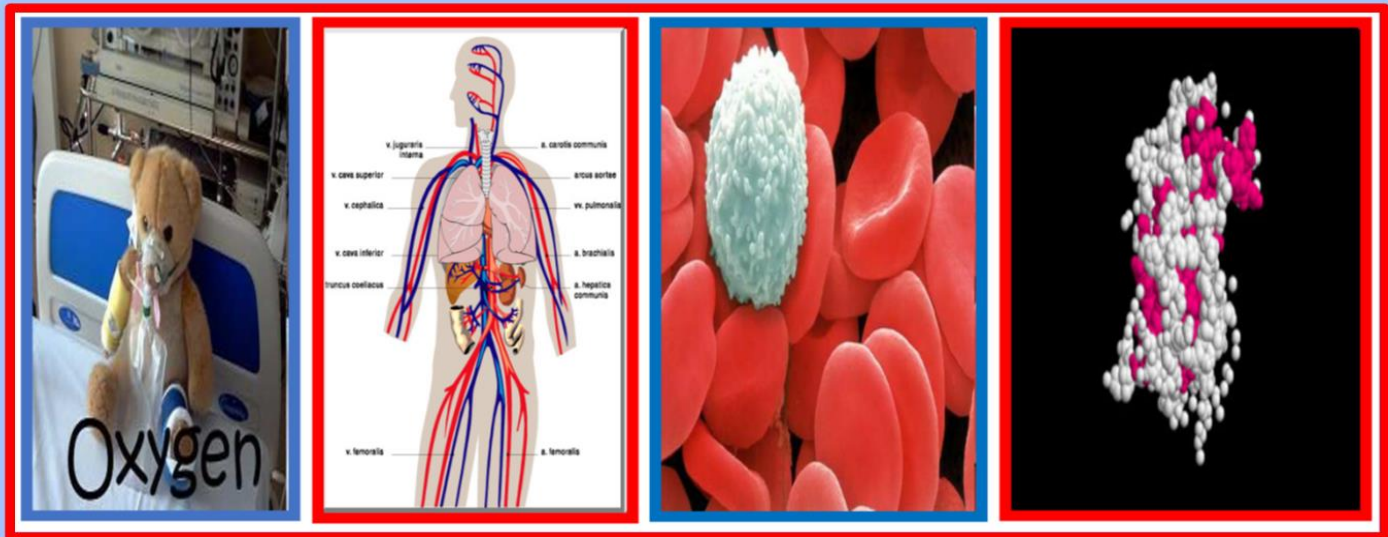
Bright Red = Oxygen Rich

Blue = Oxygen Poor

The function of the circulatory system.

- To deliver food and oxygen to cells.
- To carry away waste.
- To aid in disease prevention.
- To deliver chemical messages (hormones).

◇ Name the four functions of the circulatory system below?



Deliver food and oxygen to cells	Carry away waste	Aid in disease prevention	Deliver chemical messages (hormones)

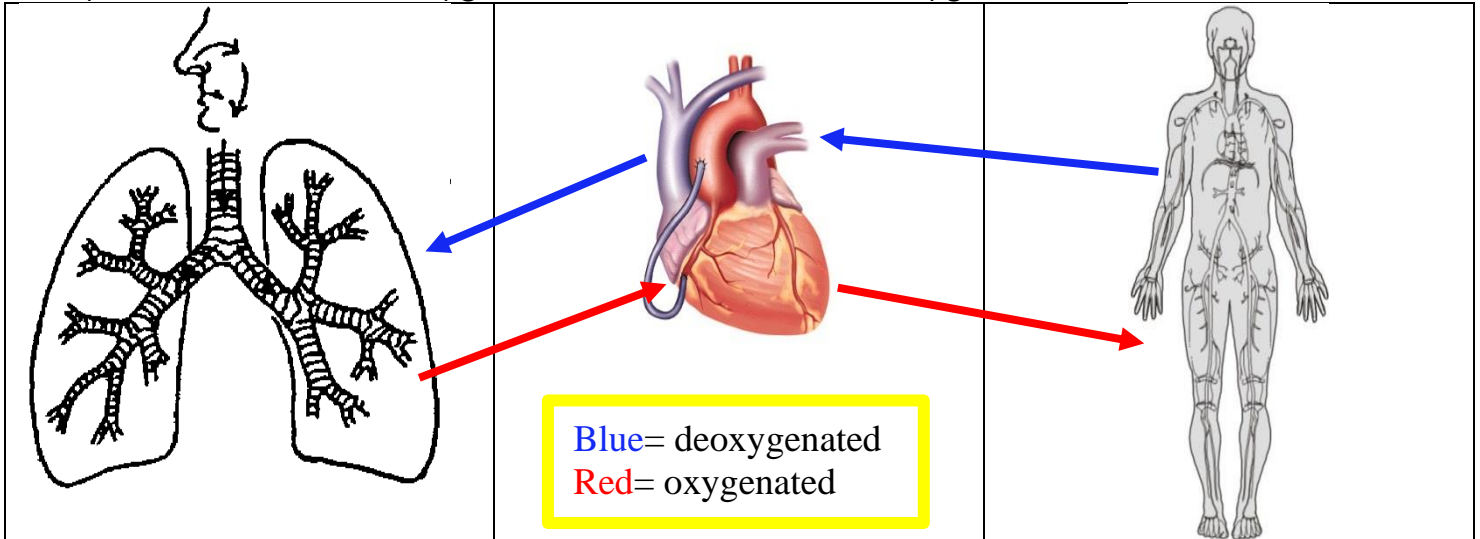
## The circulatory system

Powered by the heart.

Blood carries food, oxygen, waste, chemical messages.

Blood vessels provide the paths of travel and have unique structures.

Please place COLORED (Red and Blue) arrows to represent the flow of blood in the human body. Which arrows are oxygenated, and which are deoxygenated?



Questions to answer in work bundle to classroom simulation.

-Describe the journey of blood through the circulatory system.

Blood traveled from the body into the heart. The heart pumped the blood to the lungs, and then back to the heart. The heart then pumped blood to the body and back to the heart.

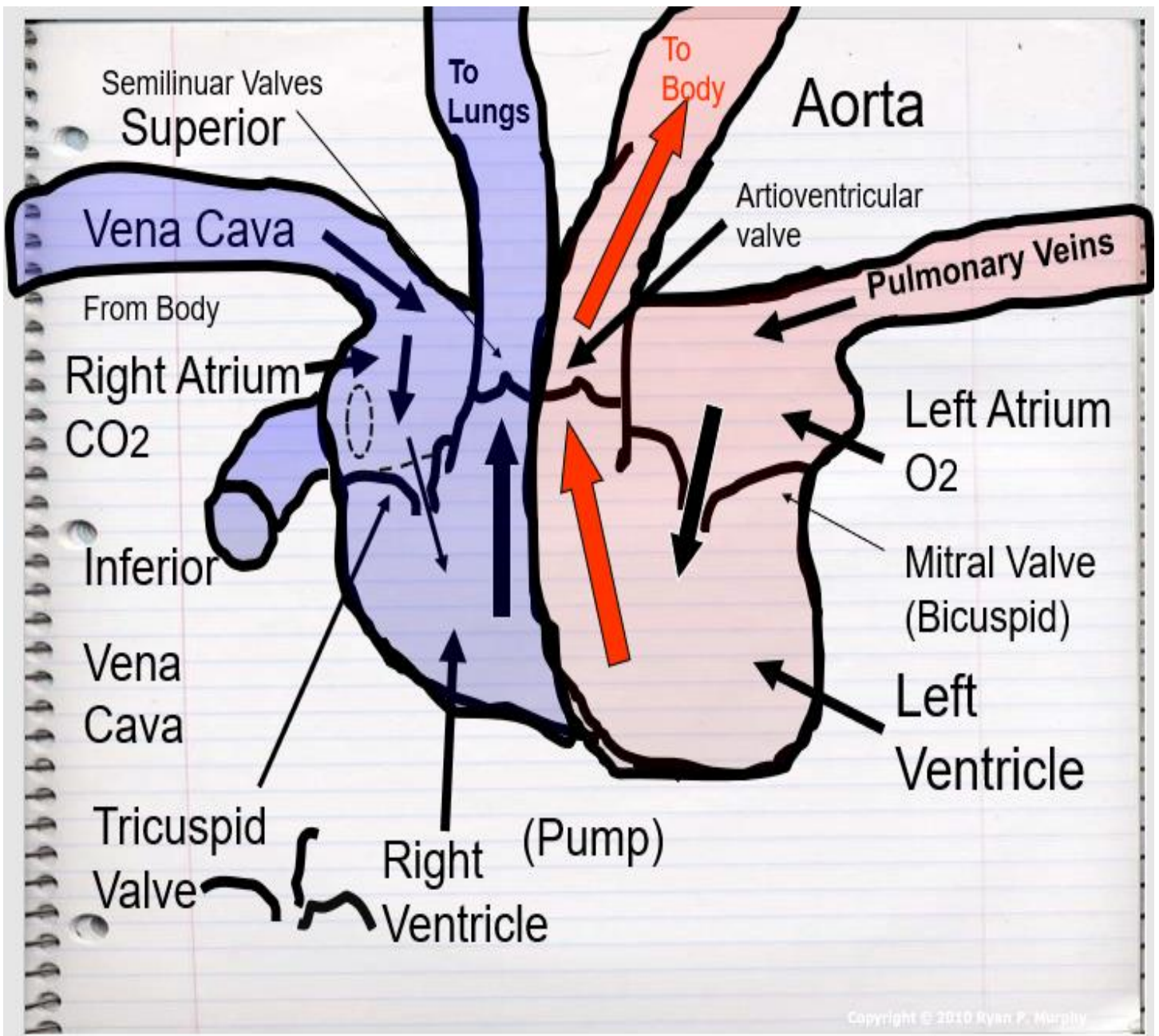
What did the colored chips represent? How did they change through your journey?

The blood lost its oxygen (red chip) and became a blue chip (carbon dioxide) near the halfway point of its journey through the body. This low in oxygen, high in carbon dioxide blood traveled through the heart. It was then pumped to the lungs where it lost its  $\text{CO}_2$  (blue chip) and picked up  $\text{O}_2$  (red chip) for the rest of its journey through the heart, and to the cells in the body.

As the body uses oxygen (cellular respiration) the blood becomes depleted in oxygen. It then travels to the heart, which pumps it to the lungs to get oxygen. The blood heads back to the heart, and then gets pumped to the body.

### Part 6 Lesson 3 Veins and Arteries

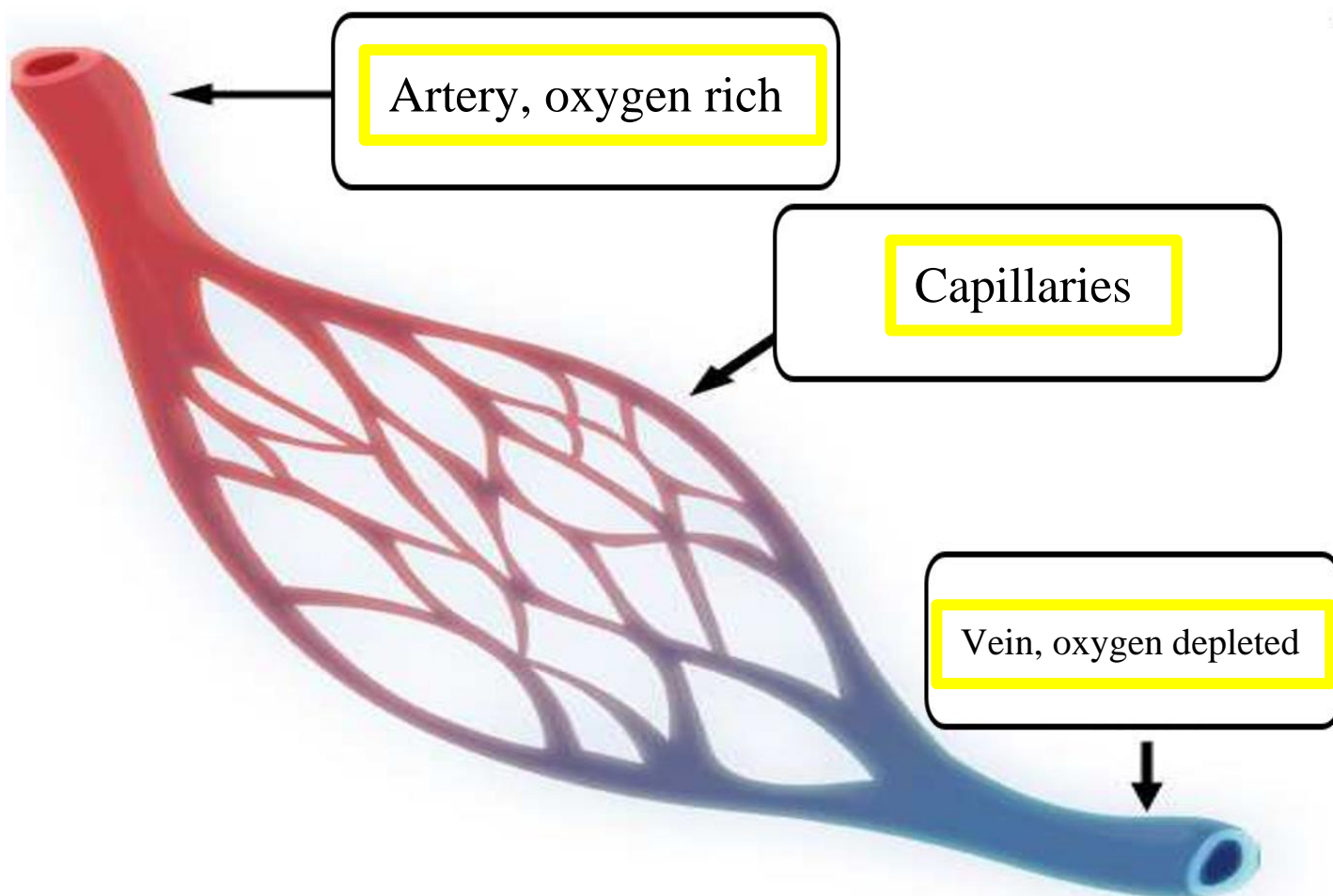
◇ Name the parts of the heart below. ◇ Also use arrows to show how bloods flows through the heart. Use terms such as "to the heart" and "To the lungs" and "To the body."



Question? Which side of your heart needs to work harder? Why?

The left ventricle works harder because it has to pump blood out to the entire body, whereas the right ventricle only pumps blood to the lungs.

◇ Please name the three parts of the picture below? Which one has oxygen rich blood, and which one carries oxygen depleted blood?



Quiz Wiz! 1-10 Name the parts of the heart.

1) Right atrium	2) Right ventricle	3) Left ventricle	4) Tricuspid valve
5) Mitral valve	6) Left atrium	7) Aorta	8) Superior Vena Cava
9) Inferior Vena Cava	10) Septum	*11) Snuggle	

#### Part 6 Lesson 4

**Blood Pressure:** The force of blood pushing against the walls of the arteries as the heart pumps blood. Flows from **high** to **low** pressure.

**Hypertension:** High blood pressure through blood vessels. Heart must work harder to pump blood and this may cause leaks in blood vessels.

Watch weight, Reduce salt in diet, Eat more sensibly, Exercise regularly,  
Medicine only after you have tried the above.

Some common diseases...

Atherosclerosis: Thickening of artery walls, fats such as cholesterol **collects** on wall, over time it may block blood flow (**heart attack**).

**Artery**: Blood vessel that carries blood away from the heart.

**Capillary**: Extremely thin blood vessels.

**Vein**: Blood vessel that carries blood toward the heart.

Go back to the prior page and describe blood pressure as it relates to arteries, veins, and capillaries

## Part 6 Lesson 5 Blood Types

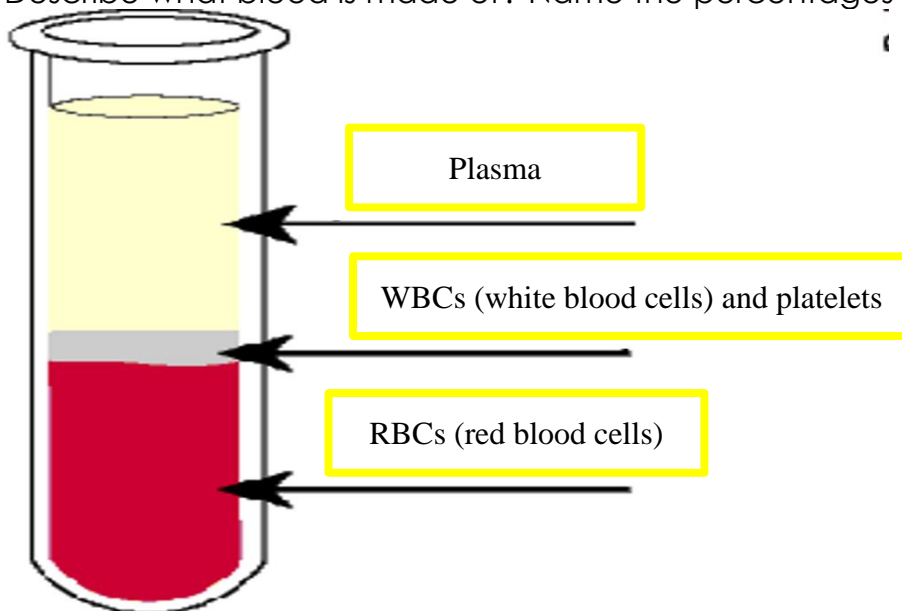
Blood: A specialized bodily fluid that delivers necessary substances to the body's cells.

- Such as nutrients and oxygen – and transports waste products away from those same cells.

Blood is made up of...

Red Blood Cells  
White Blood Cells  
Platelets  
Plasma

Describe what blood is made of? Name the percentages of each component?



**Plasma**: Fluid of blood, 90% water, 10% sugars, fats, salts, gases, and proteins.

- Controls amount of water in blood.
- Has antibody proteins that fight off disease.
- Blood **clotting** agents.
- Carries chemical messages (**hormones**).
- Carries waste products.

Red Blood Cells: Produced in bone marrow, no nucleus in cell (mature cell), delivers **oxygen** to cells, carries away CO<sub>2</sub>.

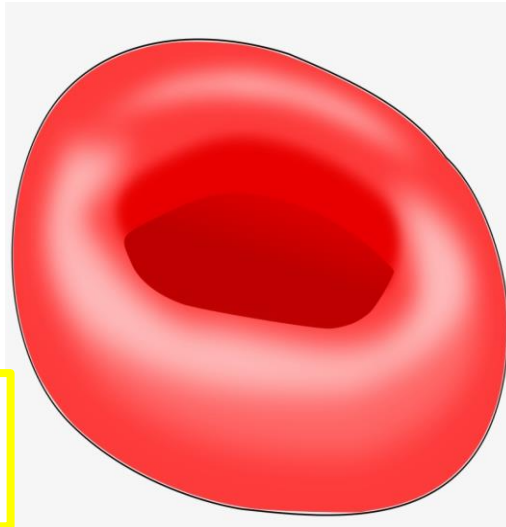
**Hemoglobin:** Protein in blood that helps blood bind with oxygen and carbon dioxide.

Record some information around this red blood cell? Why is shaped this way?

120 day life span and then destroyed in spleen

Mature RBC has no nucleus, which allows more room for important gases and hemoglobin.

Most numerous cell in body. 5 million RBC in one drop of blood



Shape allows cell to bend and squeeze through tight places

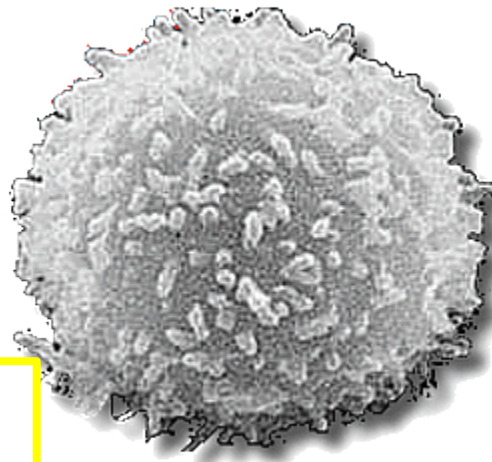
Shape allows the max amount of surface area for gas exchange

White Blood Cells: Circulate throughout the body providing protection against foreign organisms and matter.

Can surround and digest foreign organisms such as viruses and bacteria

Has a nucleus and can live considerably longer than a RBC. They can self-replicate/divide

Other WBC's can make antibodies



Outnumbered by RBC's 500 to 1

Twice as large as a RBC

Platelets: Irregularly shaped bodies with sticky surfaces that form clots to stop bleeding.

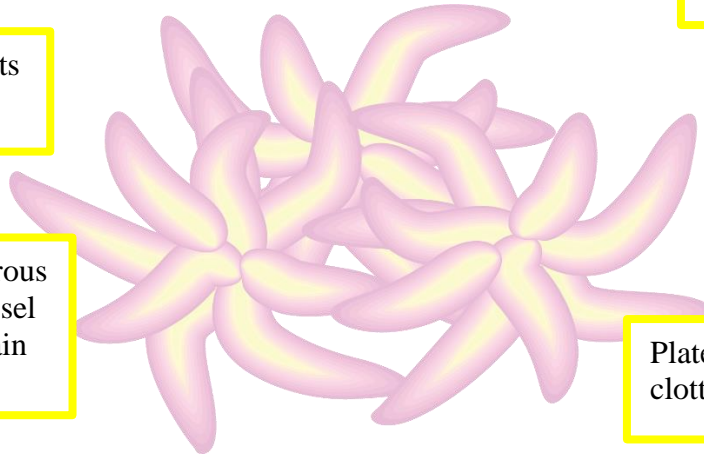
Not cells but tiny fragments of other cells

Only lives for 5-9 days

Prevents blood loss and allows homeostasis

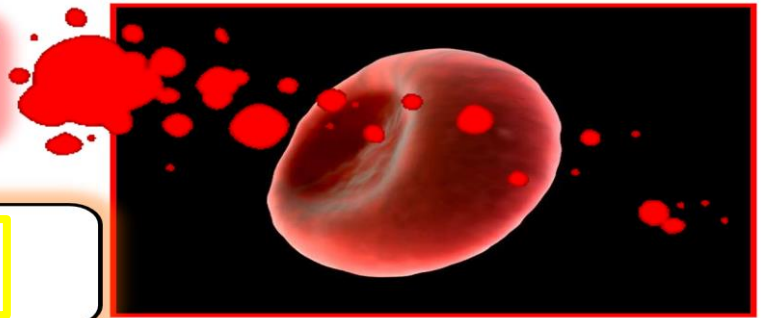
Clots can be very dangerous if they block a blood vessel such as those in your brain (stroke)

Platelets can sense air and begin clotting a cut very quickly



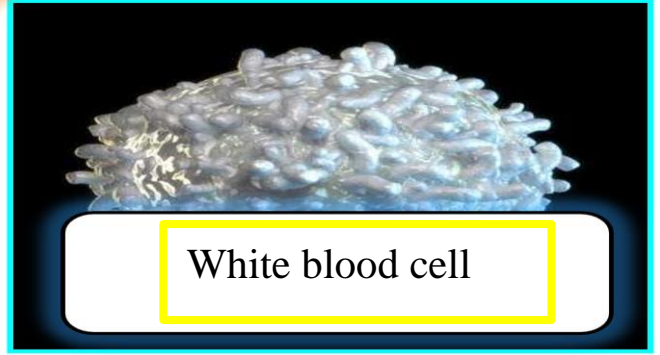
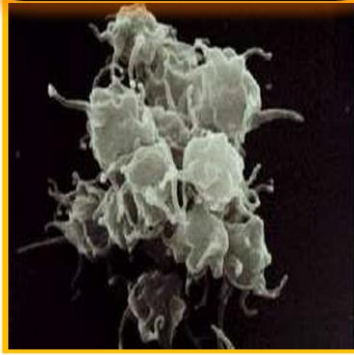
Name the blood cells below.

Red blood cell



Plasma

Platelets



White blood cell

◇Please name the four parts of blood in the boxes below using the descriptions to help you.

White blood cell

-Circulate throughout the body providing protection against foreign organisms and matter.

Platelets

Irregularly shaped bodies with sticky surfaces that form clots to stop bleeding.

Plasma

Controls amount of water in blood.  
Has antibody proteins that fight off disease.  
-Blood clotting agents.  
-Carries chemical messages (hormones).  
-Carries waste products.

Red blood cell

-Produced in bone marrow, no nucleus in cell (mature cell), delivers oxygen to cells, carries away CO2.  
-Hemoglobin: Protein in blood that helps blood bind with oxygen and carbon dioxide.

## Part 6 Lesson 5 Blood Types

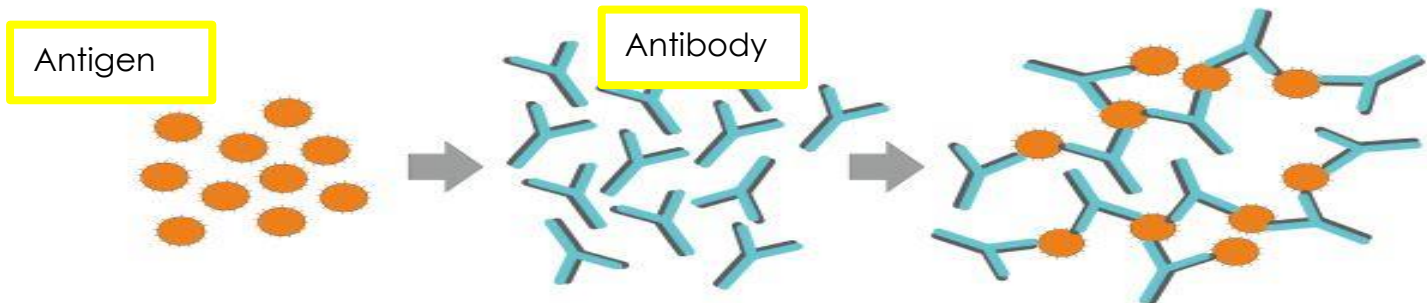
Can you freely exchange blood from one person to another? Explain below.

Yes and no. For many years, blood transfusions were unsuccessful, leading to horrible clotting and death. If you are given the wrong blood, your body attacks it as if it is a foreign invader. The differences in human blood are due to the presence or absence of certain protein molecules called antigens and antibodies. The antigens are located on the surface of the RBCs and the antibodies are in the blood plasma. Individuals have different types and combos of these molecules passed to you by your parents (genetics).

**Antigen:** A substance that when introduced into the body stimulates the production of an antibody.

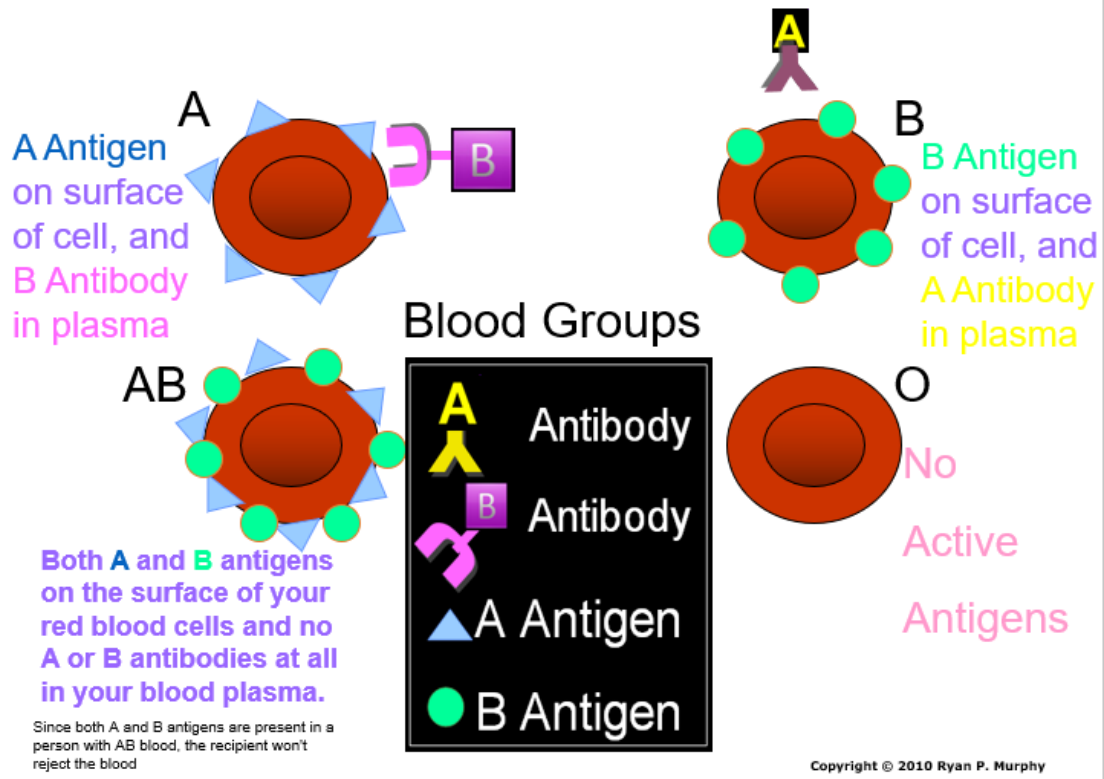
**Antibody:** A blood protein produced in response to and counteracting a specific antigen.

Which is the antigen, and which is the antibody below.

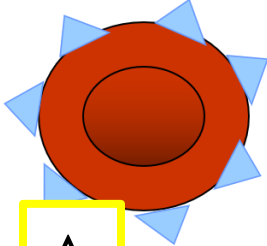
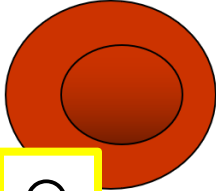
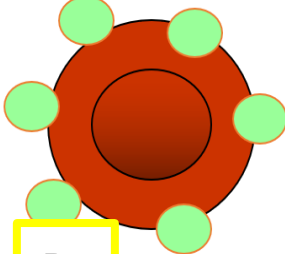
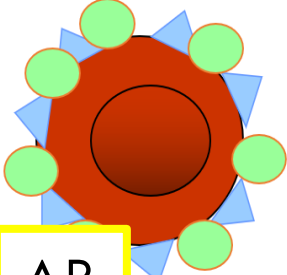
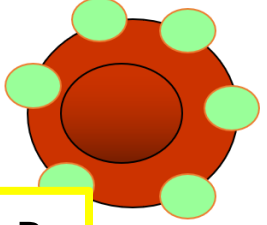
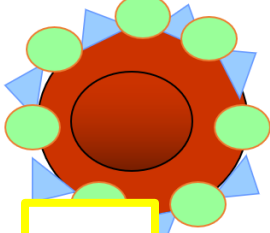
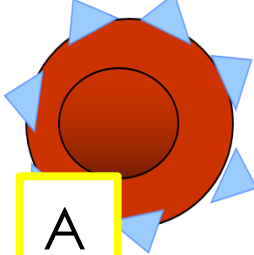
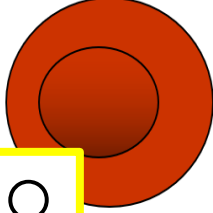


Please complete the sketch of the blood groups as described in the slideshow.

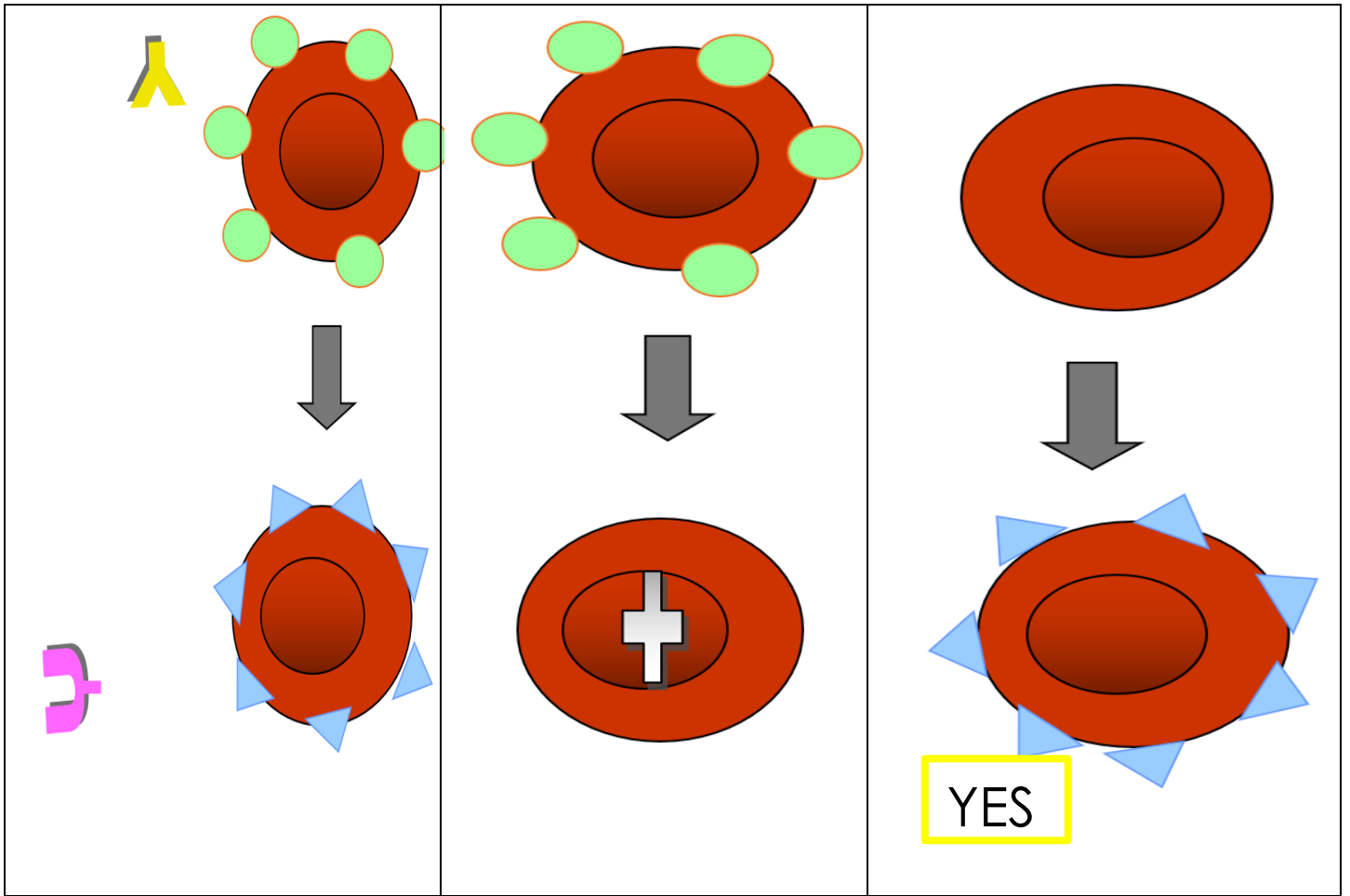




Name the correct blood types below.

 <b>A</b>	 <b>O</b>	 <b>B</b>	 <b>AB</b>
 <b>B</b>	 <b>AB</b>	 <b>A</b>	 <b>O</b>

Will the transfusion below be a safe one?



There is another antigen that some people may have.

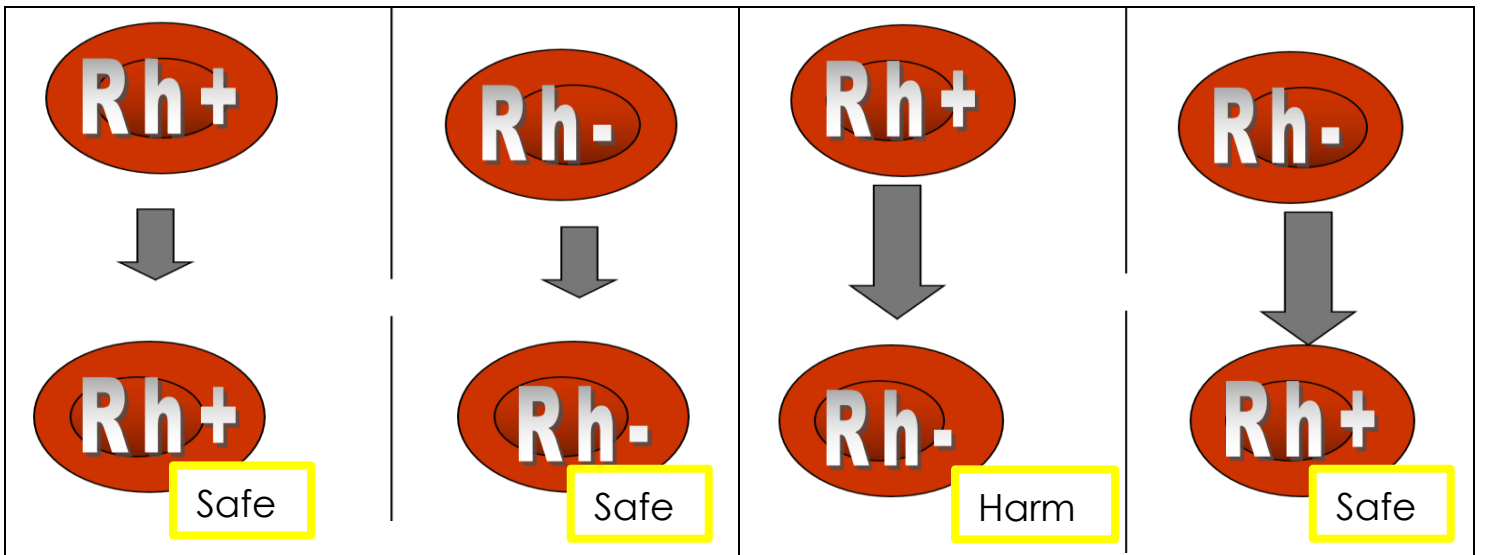
If you have it you're... Rh+

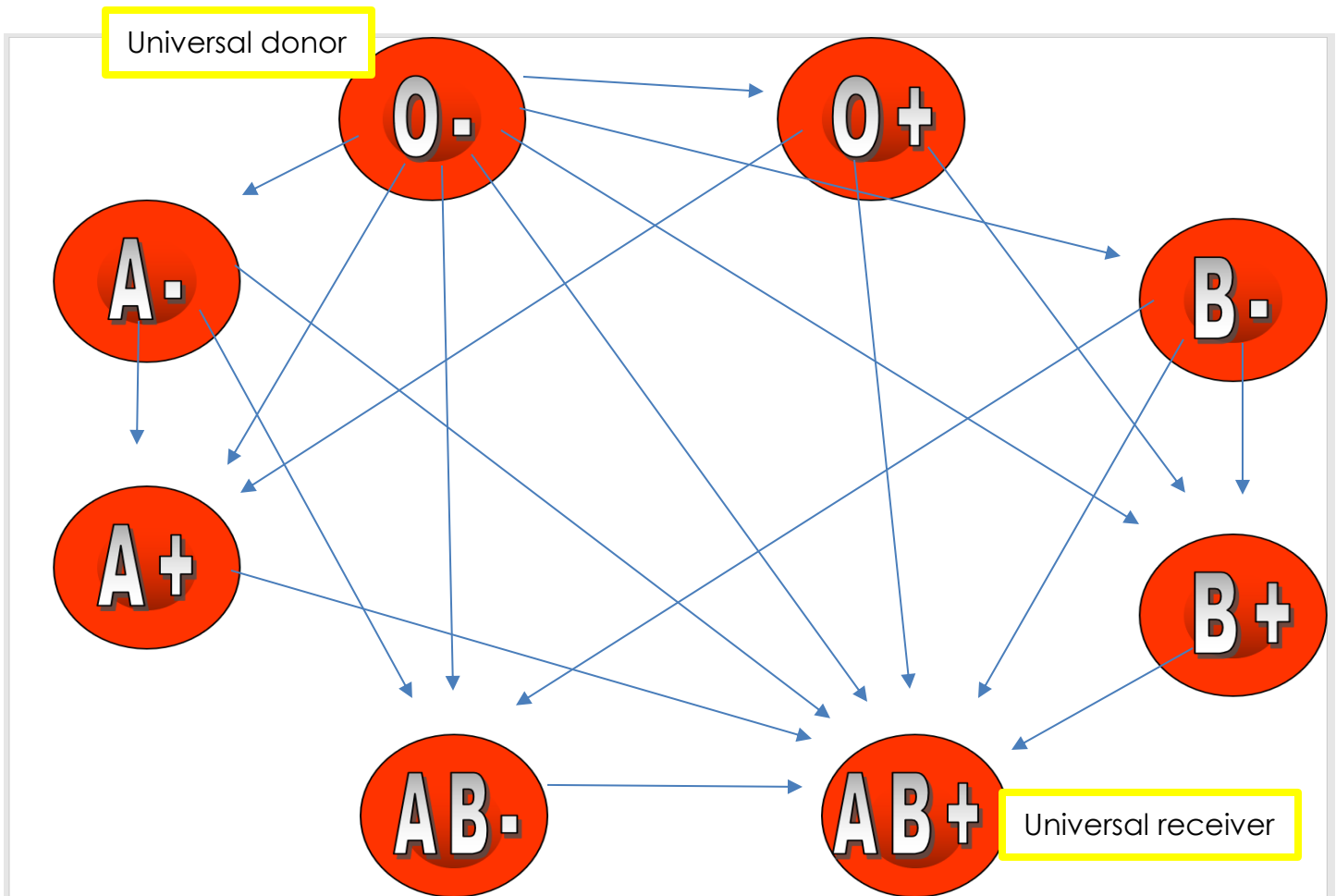
If you don't you're... Rh-

Rh+ should not share blood with someone who is Rh-

Rh- can give to a person who is Rh+

Describe if each transfusion below is safe or will cause harm?





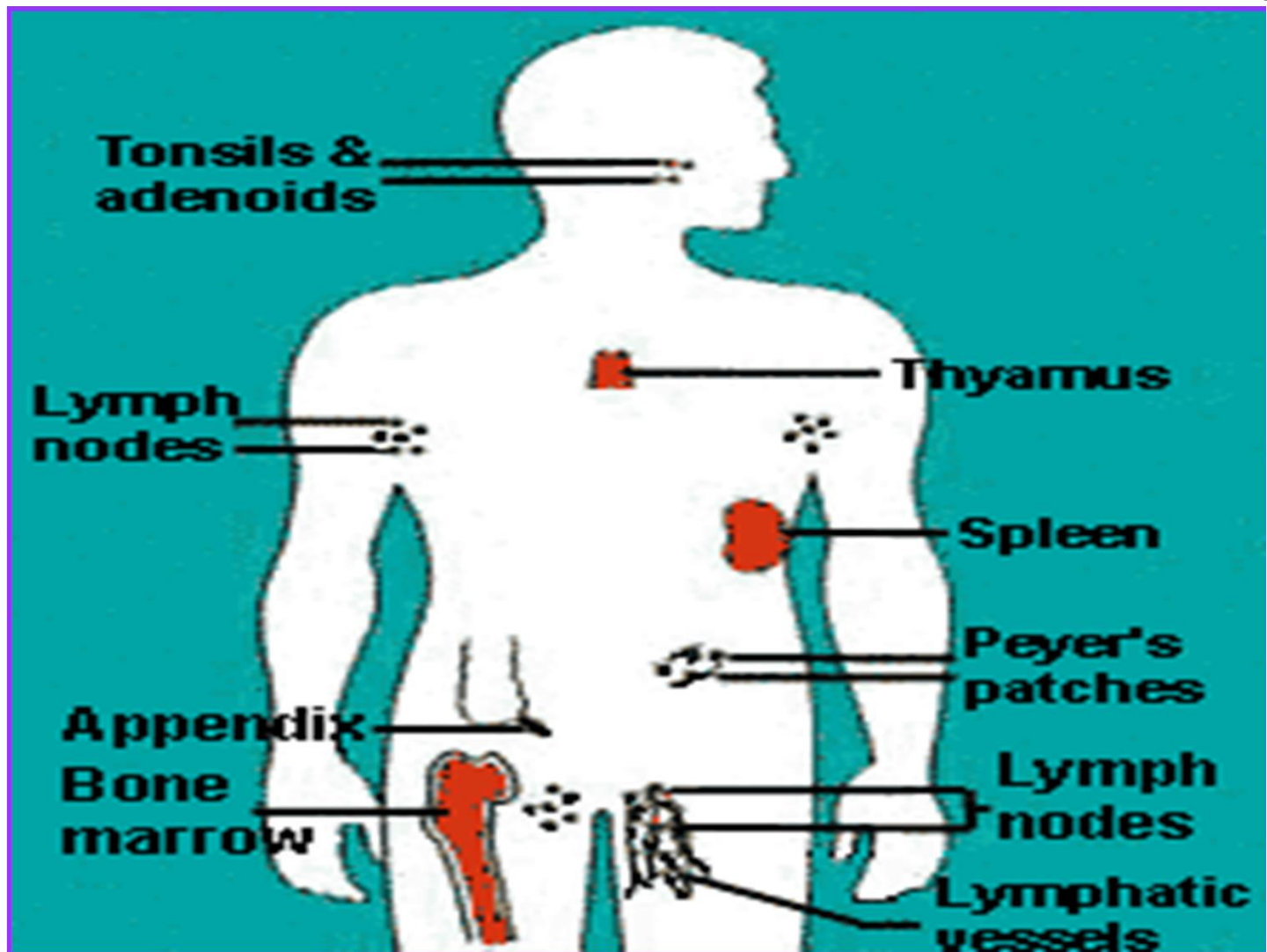
## Part 6 Lesson 7 The Lymphatic System

Lymphatic System: A part of the **circulatory** system, comprising a network of lymphatic vessels that carry a clear fluid called **lymph**.

Lymph contains **white** blood cells.

Helps to rid the body of **toxins**, waste, and unwanted materials.

Lymph is essentially recycled blood **plasma**.



**Across**

2. A blood protein produced in response to and counteracting a specific antigen
6. \_\_\_\_\_ System: A part of the circulatory system, comprising a network of lymphatic vessels that carry a clear fluid called lymph
8. Blood vessel that carries blood toward the heart.
9. \_\_\_\_\_ Blood Cells: Produced in bone marrow, no nucleus in cell (mature cell), delivers oxygen to cells, carries away CO<sub>2</sub>.
10. Protein in blood that helps blood bind with oxygen and carbon dioxide.
13. High blood pressure through blood vessels. Heart must work harder to pump blood and this may cause leaks in blood vessels.
16. Cellular \_\_\_\_\_: Processes whereby certain organisms obtain energy from organic molecules.
18. The function of the circulatory system. To deliver \_\_\_\_\_ messages (hormones).
20. A substance that when introduced into the body stimulates the production of an antibody.
22. \_\_\_\_\_ Blood Cells: Circulate throughout the body providing protection against foreign organisms and matter.

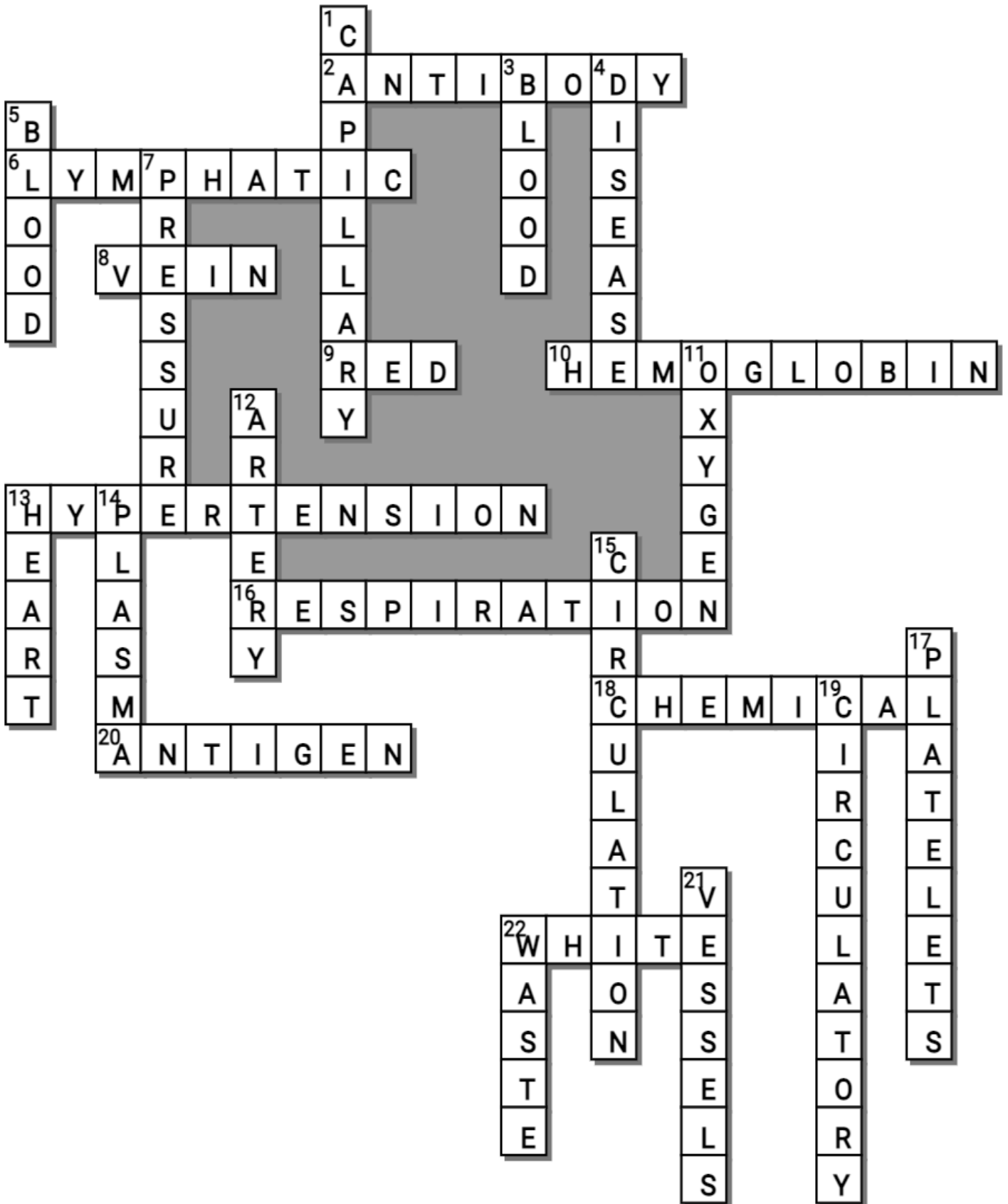
**Down**

1. Extremely thin blood vessels.
3. The circulatory system consists of the following Heart, Blood Vessels, \_\_\_\_\_
4. The function of the circulatory system. . To aid in \_\_\_\_\_ prevention.
5. A specialized bodily fluid that delivers necessary substances to the body's cells.
7. Blood \_\_\_\_\_: The force of blood pushing against the walls of the arteries as the heart pumps blood. Flows from high to low pressure.
11. The function of the circulatory system. To deliver food and \_\_\_\_\_ to cells.
12. Blood vessel that carries blood away from the heart.
13. The circulatory system consists of the following \_\_\_\_\_, Blood Vessels, Blood
14. Fluid of blood, 90% water, 10% sugars, fats, salts, gases, and proteins.
15. Human Heart: Important organ that provides a continuous \_\_\_\_\_ of blood.
17. Irregularly shaped bodies with sticky surfaces that form clots to stop bleeding
19. \_\_\_\_\_ System: Delivers food and oxygen to the body and carries carbon dioxide and other waste products away.
21. The circulatory system consists of the following Heart, Blood \_\_\_\_\_, Blood
22. The function of the circulatory system. To carry away \_\_\_\_\_.

-----Teacher can remove word bank to make more challenging-----

**Possible Answers**

ANTIBODY, ANTIGEN, ARTERY, BLOOD, BLOOD, CAPILLARY, CIRCULATORY, HEMOGLOBIN, HYPERTENSION, LYMPHATIC, PLASMA, PLATELETS, PRESSURE, RED, RESPIRATION, VEIN, VESSELS, WHITE, CHEMICAL, CIRCULATION, DISEASE, HEART, OXYGEN, WASTE



# Part 6 Review Game

Name: \_\_\_\_\_

1-20 = 5 pts **Part 6 Lesson 6**

\*20-\*25 \* = Bonus + 1 pt,

(Secretly write owl in correct space +1 pt)

Score \_\_\_\_ / 100

Final Question = 5 pt wager

THERE AND BACK AGAIN	LUB-DUB	HEART FELT	RED HOT	VALENTINES Bonus round 1 pt each
1) A and C are incorrect	6) D) Oxygen rich blood travels from the lungs to the heart, to the body, back to the heart, and then to the lungs	11) A= Tricuspid valve B= Mitral valve C= Aortic valve D= Pulmonary valve	16) O-	*21) 50 First Dates
2) A= Blood vessels B= Blood cells C= Heart	7) A= Deoxygenated B= Oxygenated	12) Septum	17) NO	*22) Grease
3) Food, oxygen Waste Disease Hormones	8) B is correct	13) A= Vein, blood with depleted oxygen levels B= Artery C= Capillary	18) Lymph	*23) The Wedding Singer
4) A= Oxygen B= Carbon dioxide	9) A= Aorta B= Right atrium C=Tricuspid valve D= Right ventricle	14) A= Red blood cells B= White blood cells C= Platelets D= Plasma	19) A= Lymph node B= Lymphatic vessel	*24) Quahog
5) B) Food and oxygen is delivered to cells primarily in the heart	10) A= Aorta B= Pulmonary vein C= Mitral valve D= Left ventricle	15) Antigen, antibody	20) Spleen Bone marrow Lymph nodes Peyer's patches Thymus Tonsils Appendix Adenoids	*25) Napoleon Dynamite

Final Question Wager \_\_\_\_/5 Answer: A= Superior Vena Cava, B= Inferior Vena Cava

