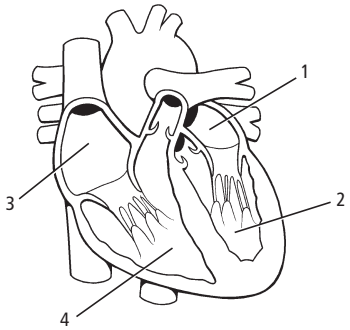
Name Date Class

1 **Which is true of the human circulatory system?**

A It transports oxygen and nutrients.
B It makes blood cells.
C It breaks down food and releases nutrients.
D It is the first line of defense against pathogens.

Use the diagram below to answer questions 2 and 3.



2 **Which is the path that blood follows through the heart as it returns from the head and body?**

A 1→2
B 2→1
C 3→4
D 4→3

3 **Which chamber does blood flow into once it has picked up a fresh supply of oxygen?**

A 1
B 2
C 3
D 4

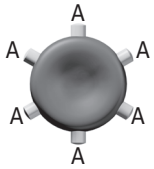
4 **Which vessels carry blood away from the heart?**

A arteries
B veins
C capillaries
D lymphatics

5 **Red blood cells transport oxygen attached to which components?**

A nuclei
B plasma membranes
C hemoglobin
D nitrogen

6 **A person has the blood type represented in the illustration below. What blood type can this person safely receive?**

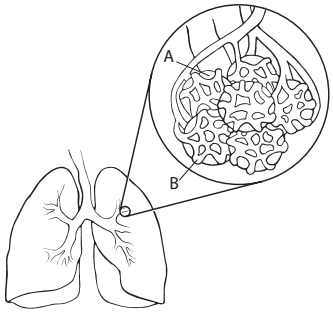


A A only
B A or O
C O only
D AB

7 **Which blood component can recognize and kill disease-causing organisms?**

A red blood cells
B white blood cells
C platelets
D fibrin

Use the diagram below to answer questions 8 and 9.



8 **Identify the structure labeled *A* in the above diagram.**

A bronchi
B bronchiole
C alveolus
D pharynx

9 **What happens in the netlike structure labeled *B* in the above diagram?**

A Carbon dioxide and oxygen diffuse into the blood.
B Nitrogen and oxygen are exchanged.
C Carbon dioxide and oxygen are exchanged.
D Nitrogen and carbon dioxide remain constant.

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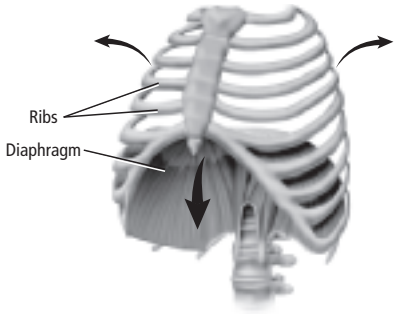
10 **At which point in the respiratory system cycle does cellular respiration take place?**

A during breathing
B during external respiration
C during internal respiration
D when air moves into the bronchioles

11 **Which causes an increase in the breathing rate?**

A high concentration of oxygen in the blood
B high concentration of blood in the lung capillaries
C high concentration of carbon dioxide in the blood
D low concentration of carbon dioxide in the blood

12 **Which is taking place in this diagram?**



A Inhalation; the diaphragm is contracting.
B Exhalation; the diaphragm is relaxing.
C Inhalation; the chest cavity is reduced.
D Exhalation; the rib cage is expanding.

13 **Once blood is brought to the kidneys, through which structure is it filtered?**

A loop of Henle
B collecting tubule
C renal vein
D Bowman's capsule

14 **Into which structure are excess fluids and toxic substances passed?**

A convoluted tubule
B Bowman's capsule
C glomerulus
D collecting tubule

15 **Which makes up the body's excretory system?**

A lungs
B skin
C kidneys
D All are part of the excretory system.