

Name: Date: Class:

 SECRET WORD BANK (USE THESE TO FILL IN THE BLANKS!)

right ventricle

pulmonary arteries

capillaries

oxygen

pulmonary veins

left atrium

left ventricle

aorta

carbon dioxide (CO₂)

vena cavae

body tissues

deoxygenated

1 THE JOURNEY OF A RED BLOOD CELL Follow the path of a red blood cell around the body and complete the missing words!

1. Starting the journey: Blue, oxygen-poor (_____) blood leaves the _____ on the right side of the heart.
2. Heading to the lungs: The blood gets pumped through a valve into the _____ that lead directly into the right and left lungs.
3. Gas Exchange Station: Inside the lungs, blood flows through tiny _____ where it drops off waste gas called _____ and picks up fresh _____.
4. Back to the heart: The bright red, oxygen-rich blood leaves the lungs through the _____ and enters the heart's _____.
5. Super Pump! The blood moves into the powerful _____, which squeezes hard to launch blood out into the giant _____ artery.
6. Delivery Time: Red blood cells zoom through arteries to deliver oxygen to all your organs and _____.
7. Return Trip: After dropping off oxygen, the blood returns back to the right side of the heart through large veins called the _____.

2 THE TWO HEART CIRCUITS Name the two special loops that make up our double circulation system!

8. The short loop that takes blood to the lungs to get oxygen is called the _____ circuit.
9. The big loop that carries oxygenated blood to the rest of the whole body is called the _____ circuit.



Did You Know? Your heart beats about 100,000 times every day, pumping enough blood to fill a whole swimming pool in a year! 

3 CIRCULATION FLOWCHART CHALLENGE

Fill in the blanks to complete the cycle of how blood moves through your body!

- 1 Right Ventricle pumps deoxygenated blood into the _____.
- 2 In the Lungs, blood picks up fresh _____ and gets rid of CO₂.
- 3 Oxygen-rich blood returns through Pulmonary Veins into the _____.
- 4 Blood enters the Left Ventricle and is pumped into the mighty _____.
- 5 Blood travels to Body Tissues where it drops off oxygen and becomes _____.
- 6 Deoxygenated blood travels back to the Right Atrium through the _____.

4 BLOOD VESSEL MATCHING GAME

Match each blood vessel on the left with its correct job on the right!

BLOOD VESSEL	YOUR ANSWER	WHAT IT DOES
1. Pulmonary Arteries	_____	A. Main giant veins bringing blue blood back to the right atrium.
2. Pulmonary Veins	_____	B. Microscopic vessels where oxygen and nutrients switch places.
3. Aorta	_____	C. Takes oxygen-poor blood away from heart to the lungs.
4. Vena Cavae	_____	D. Super-artery that shoots fresh oxygenated blood to the body!
5. Capillaries	_____	E. Brings fresh, red oxygenated blood from lungs back to heart.

TEACHER / PARENT ANSWER KEY

QUICK CHECK

Part 1: 1. deoxygenated, right ventricle | 2. pulmonary arteries | 3. capillaries, carbon dioxide (CO₂), oxygen | 4. pulmonary veins, left atrium | 5. left ventricle, aorta | 6. body tissues | 7. vena cavae

Part 2: 8. Pulmonary | 9. Systemic

Part 3: 1. pulmonary arteries | 2. oxygen | 3. left atrium | 4. aorta | 5. deoxygenated | 6. vena cavae

Part 4: 1-C | 2-E | 3-D | 4-A | 5-B

