

# ABOUT THIS PACKET

Each reading passage in this packet allows students to work on comprehension skills after reading the passage several times searching for evidence.

## OVERVIEW

### THE CASE

Read the case aloud to your students so they understand the mission.

### QUESTIONS

There are 18 questions to be answered by reading the passage and marking the text evidence.

### CLUES

After answering each question, the students will **erase** their answer choice on their answer sheet. After all questions have been answered, the suspect, evidence, and location will be revealed.

### GRADE LEVEL

### RANGE

4

BEGINNING

4

MIDDLE

5

BEGINNING

5

MIDDLE

5

END

6

BEGINNING

6

MIDDLE

6

END

7

BEGINNING

# CIRCULATORY SYSTEM

There are many systems in the human body that interact with each other to keep the body working properly. One important system is the circulatory system, also known as the cardiovascular system. It is made up of the heart, blood, and vessels. The main job of the circulatory system is to carry blood throughout the body.

The heart has four chambers, separated by valves, located between the lungs. Two of the chambers that pump blood out of the heart are the left and right ventricles. A wall called the interventricular septum separates the two ventricles. The two other chambers, called the left and right atrium, receive blood into the heart. A wall called the interatrial septum separates the atria. The aorta is the largest artery of the heart.

The heart is roughly the size of a fist, and its main job is to pump blood. It beats between 60 to 100 times per minute and with each pump or beat, blood is being sent throughout the body. Blood carries oxygen throughout the body. Veins deliver oxygen, it also picks up nutrients and delivers it to cells that need it. It then takes waste products or carbon dioxide that the body needs to get rid of and delivers it to the lungs where it will leave the body when a person exhales. An average adult carries about 10 pints of blood. Blood is made up of red and white blood cells. Over half of the blood in our body is red blood cells, which carry oxygen and live up to four months. The bone marrow constantly creates new red blood cells. A protein in red blood cells called hemoglobin carries the oxygen. The white blood cells kill germs and work to keep blood clean. All cells float in a water-like substance called plasma.

There are five different types of blood vessels: arteries, arterioles, capillaries, venules, and veins. Arteries are the thickest blood vessels because they carry the blood away from the heart. They must be strong because the pressure from each pump of the heart is high. Veins

3

Waste products are removed by the \_\_\_\_\_.



Left atrium



Inferior vena cava



Capillaries



Stomach

4

The circulatory system is also known as the \_\_\_\_\_ system.



Cardiovascular



Endocrine



Respiratory



Immune

5

What can you do to keep your heart healthy?



Eat well



Exercise



Laugh



All of the above

6

Cells need \_\_\_\_\_ to complete their specific function to keep the body working properly.



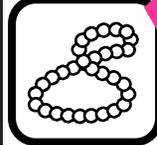
Peptides



Oxygen



Plasma



Carbon dioxide

7

What are the thickest of the blood vessels?



Ventricles



Capillaries



Venues



Arteries

8

A wall called the interatrial septum separate the \_\_\_\_.



Arterioles



Ventricles



Venules



Atria

9

How many chambers does the heart have?



2



4



6



8

10

The \_\_\_\_ control blood pressure.



Inferior vena



Arterioles



Capillaries



White blood cells

# CASE FILE

Cross out the images you use as an answer. What remains will solve the case!

SUSPECTS



LOCATION



EVIDENCE



CONGRATULATIONS

YOU SOLVED  
THE CASE!



LEAD DETECTIVE NAME:

\_\_\_\_\_

CONGRATULATIONS

YOU SOLVED  
THE CASE!



LEAD DETECTIVE NAME:

\_\_\_\_\_



# SPARK SOME

# *creativity*

**ESCAPE  
ROOMS**

**SCAVENGER  
HUNTS**

**SPY  
MYSTERY**

**TEXT  
DETECTIVE**

**SECRET  
MESSAGES**

**THINKTIVITY**

**BREAKOUTS**

**READING  
CHALLENGE**

**INTERACTIVE  
NOTEBOOK**

**DIGITAL  
ESCAPES**

**DIGITAL  
BOARD  
GAME**

**COLOR BY  
NUMBER**

**TASK  
CARDS  
GAME**

**GOOGLE  
SLIDES**

**GOOGLE  
FORMS**

**PUZZLE  
STATIONS**

**BOOM  
CARDS**

**BLOG**