

HUMAN HEART

TEXT MARKING DETECTIVE

HUMAN HEART

Heart is an organ responsible for pumping blood. The heart is located in the middle of the chest, and is about the size of an adult's fist. Blood travels through the heart and the rest of the body through vessels. The heart is made up of trillions of tiny units called cells. These cells are pumped from the heart and functioning. Every cell in the body is that keep them alive, except for the corners of the heart, blood, and blood vessels make up the circulatory system.

The heart is made up of four chambers or blood-filled chambers, are known as the collecting chambers and the lower chambers are called the right atrium and the left atrium. The ventricles are known as the collecting chambers and the lower chambers are called the right atrium and the left atrium. The ventricles are known as the collecting chambers and the lower chambers are called the right atrium and the left atrium.

The main artery in the left ventricle is the pulmonary artery. The pulmonary artery carries blood from the heart to the lungs. The pulmonary artery carries blood from the heart to the lungs. The pulmonary artery carries blood from the heart to the lungs.

The superior vena cava drains deoxygenated blood from the head, neck, arms, and upper body into the right atrium. The superior vena cava drains deoxygenated blood from the head, neck, arms, and upper body into the right atrium.

The inferior vena cava drains deoxygenated blood from the lower body into the right atrium. The inferior vena cava drains deoxygenated blood from the lower body into the right atrium.

CASE FILE

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

SUSPECTS

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LOCATION

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EVIDENCE

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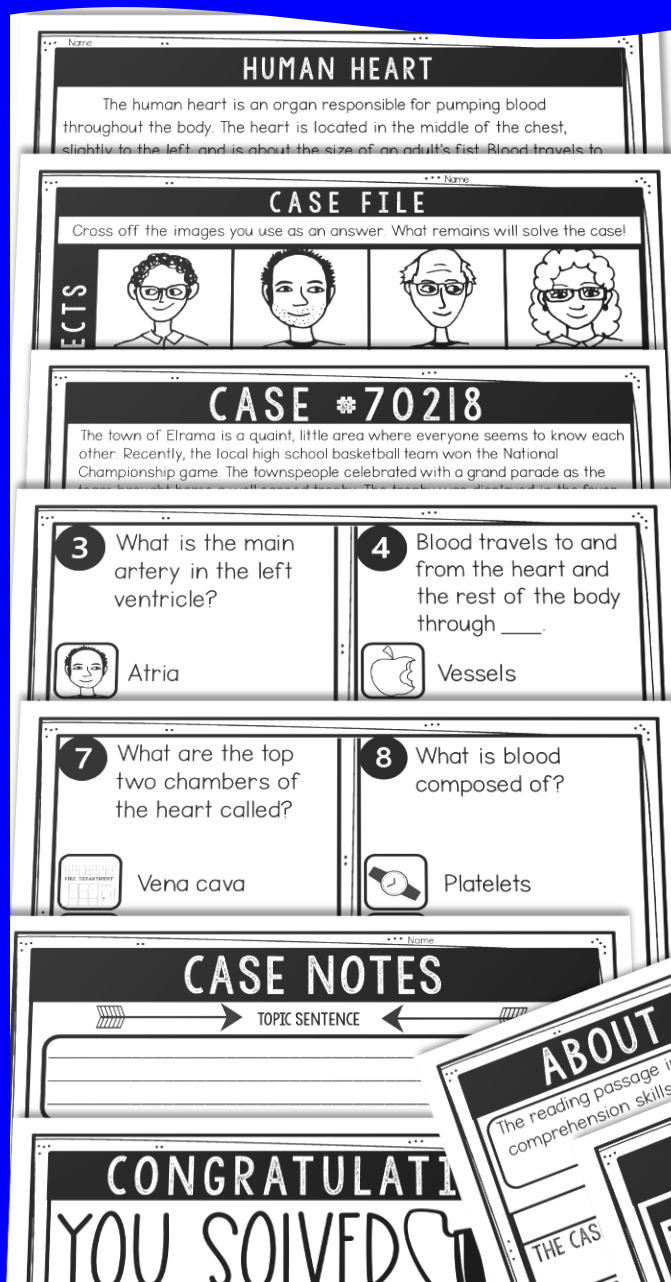
8 What components of the heart are called? Platelets, Plasma, Red cells, All of the above

10 The _____ vena cava is the largest vein in the body. Superior

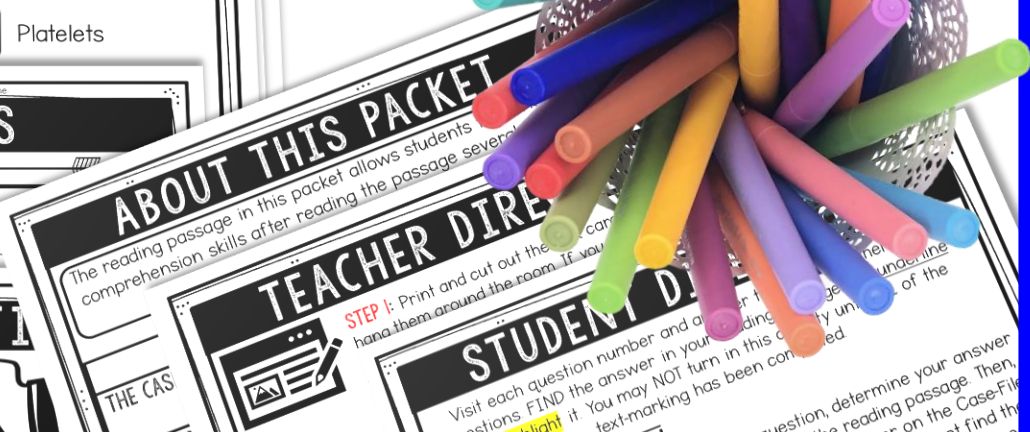
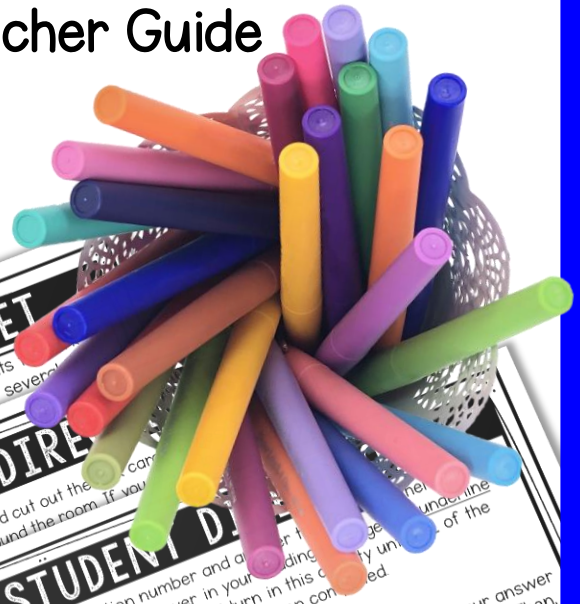
THINK TANK

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WHAT'S INCLUDED?

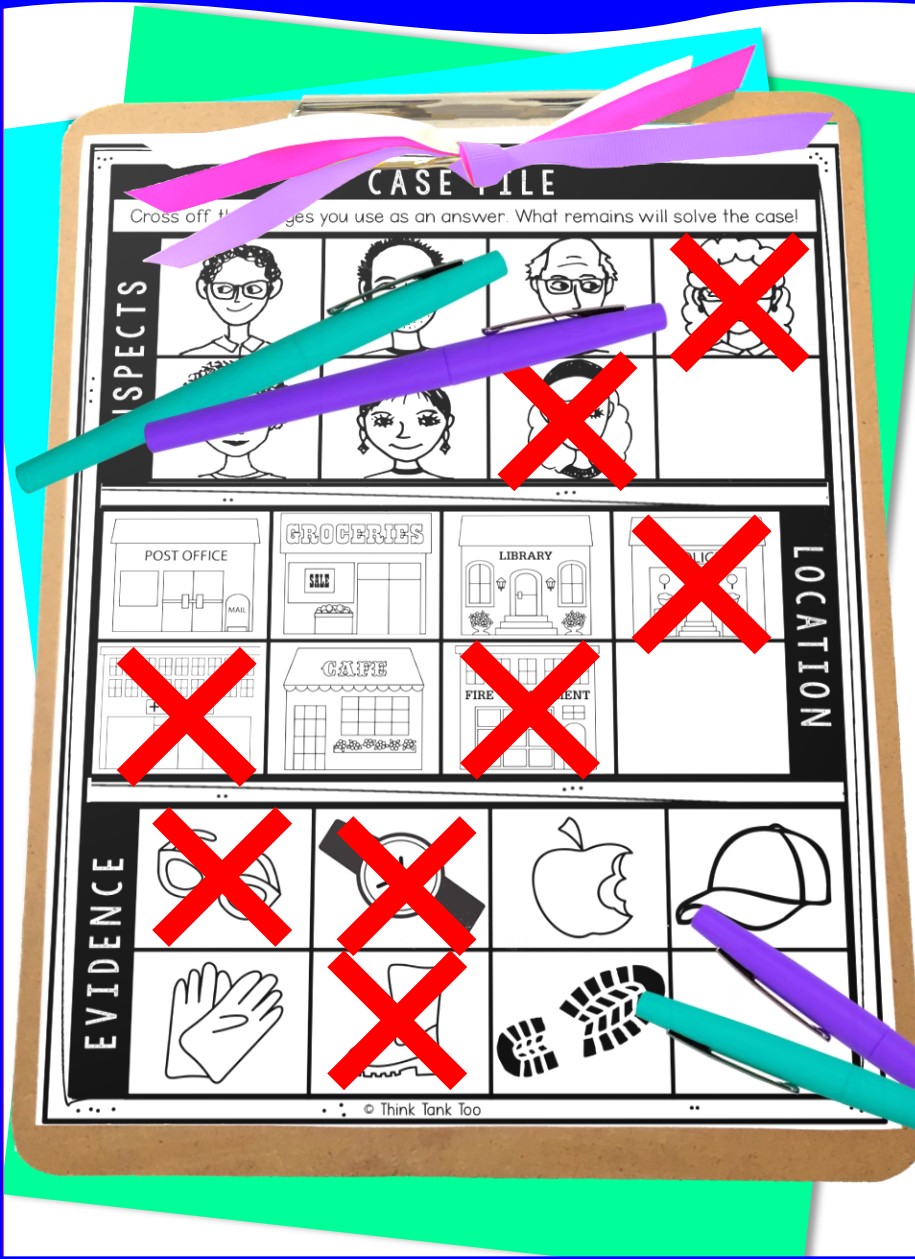


- ✓ Case File Dossier
- ✓ 16 Questions
- ✓ Graphic Organizer
- ✓ Reading Passage
- ✓ Completion Certificate
- ✓ Student Recording Sheet
- ✓ Student Directions
- ✓ Teacher Answer Key
- ✓ Teacher Guide



CASE DOSSIER

As students answer each question, they will eliminate suspects, locations, and evidence.



18 QUESTIONS

CONGRATULATIONS! YOU SOLVED THE CASE!

DETECTIVE NAME: _____

8 What is blood composed of?

☐ Platelets
☐ Plasma
☐ Red cells
☐ All of the above

10 The _____ vena cava is the largest vein in the body.

11 What is a child's average pulse rate?

☐ 90 to 120 beats
☐ 120 to 150 beats
☐ 60 to 75 beats
☐ 50 to 70 beats

12 Doctors that study the human heart are called _____.

☐ Cardiac

13 Atria are divided by a wall called the interatrial _____.

☐ Septum
☐ Ventricle
☐ Cavity
☐ Blood

14 According to the heart, the number of deaths is _____.

15 The heart is made up of _____ chambers or blood-filled areas.

☐ 6
☐ 2
☐ 4
☐ 8

16 Every cell in the human body gets blood from the heart, except for the _____.

☐ Pelvis
☐ Cornea
☐ Tap

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

SUSPECTS

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GROceries
LIBRARY
POLICE

TEXT MARKING

After answering each question, students will find evidence in the text to support their answer.

HUMAN HEART

The human heart is an organ responsible for pumping blood throughout the body. The heart is located in the middle of the chest, slightly to the left, and is about the size of an adult's fist. Blood travels to and from the heart and the rest of the body through blood vessels. The human body is made up of trillions of tiny cells. These cells need blood that is rich in oxygen because the blood provides oxygen and nutrients to keep them alive and functioning. Every cell in the human body is connected to the heart, except for the corneas of your eyes. Together, the heart, blood, and blood vessels make up the circulatory system, also known as the cardiovascular system.

The heart is made up of four chambers or blood-filled areas. The top two chambers are called the right atrium and the left atrium. The atria, or upper chambers, are known as the collecting chambers because their job is to collect blood that returns to the heart. Atria are divided by a wall called the interatrial septum. The lower chambers are called the right ventricle and the left ventricle. The ventricles are known as the pumping chambers because they pump out blood from the heart to the rest of the body. Ventricles are separated by a wall called the interventricular septum.

The main artery in the left ventricle is the aorta and the main artery in the right ventricle is the pulmonary artery. The aorta is the largest artery of the heart. The pulmonary artery carries blood to the lungs. The superior vena cava carries deoxygenated blood from the areas above the heart, including the head, neck, arms, and upper chest. The inferior vena cava carries deoxygenated blood from the areas below the heart, including the legs, pelvis, and abdomen. An artery is a blood vessel that carries blood away from the heart, while veins carry deoxygenated blood back to the heart. The main function of the heart is to pump oxygen rich blood to the rest of the body.