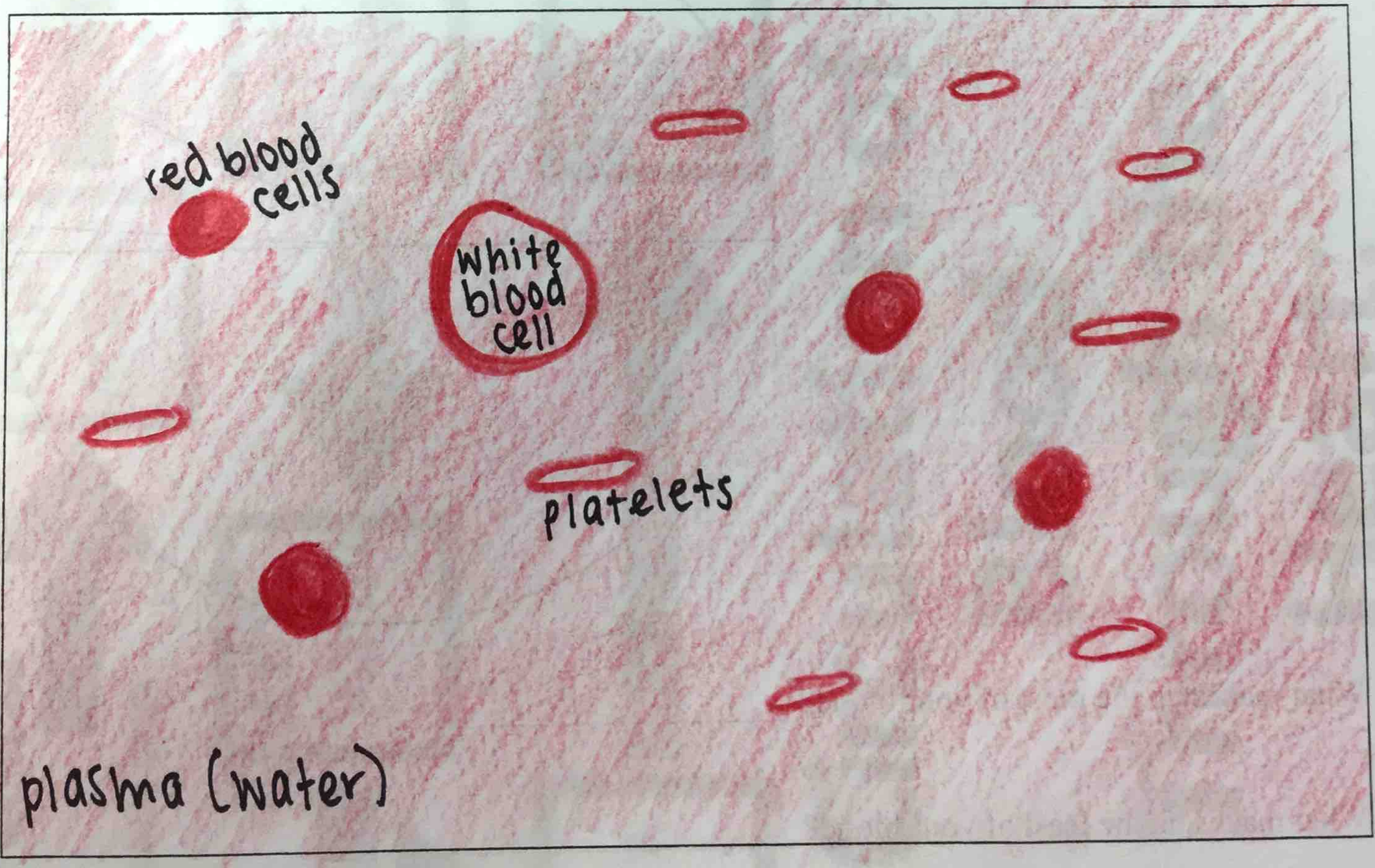
Name: _____ Date: _____

Blood Cell Basics Activity – Model Blood Cell Worksheet

Label the different parts of the blood. Use the following box as your key.

Symbol	Name
Example: rice = platelet	• accounts for .5% of our blood • help to clot our blood when we get cut.
math chip = red blood cells	• 44% of our blood • contain hemoglobin and carry Oxyge around the body
styrofoam ball = white blood cells	• account for .5% of the bloo • larger than red blood cells • fight infection
jello = plasma + water	• composes 55% of our blood, and 90% is water. • carries dissolved nutrients around the body

Draw your blood model in the box below using the symbols and labels you identified above.



Superior vena cava

Inferior vena cava

RIGHT ATRIUM

tricuspid valve

RIGHT VENTRICLE

pulmonary valve

pulmonary ~~valve~~ artery

LUNGS

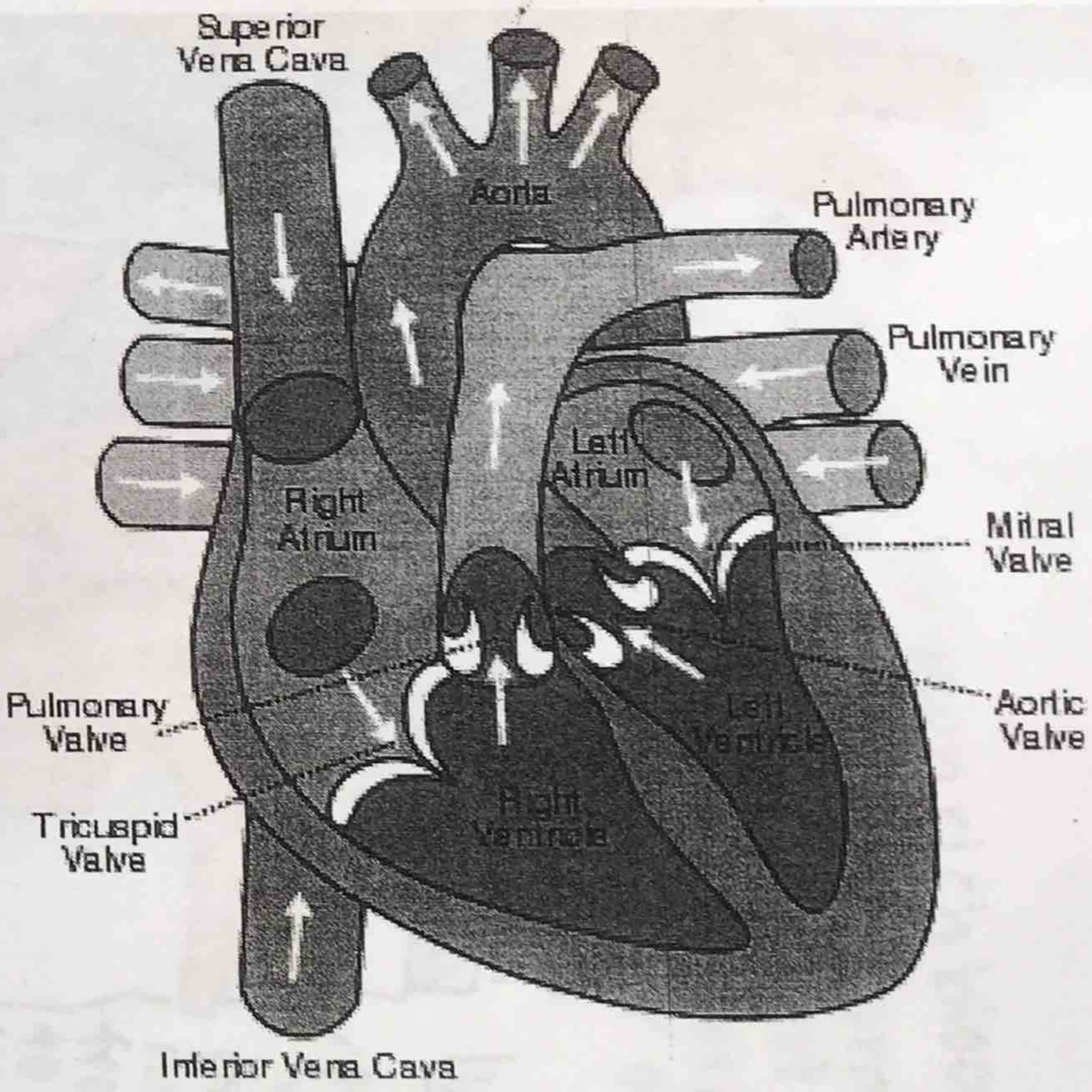
LEFT ATRIUM

LEFT VENTRICLE

AORTA

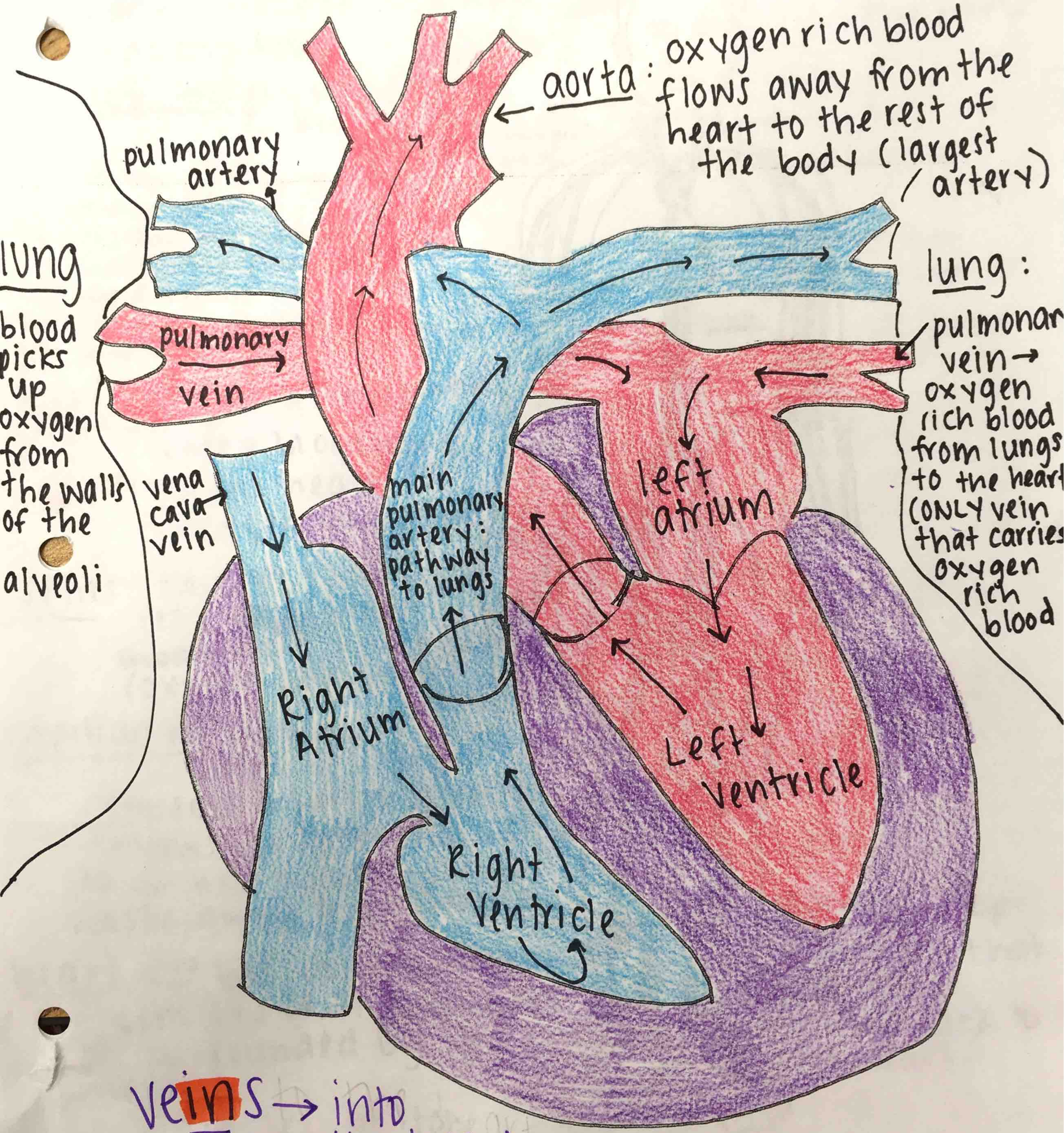
REST OF BODY

Circulation of Blood Through the Heart:



ntary Atrium Ventricles Oxygen Carbon Dioxide

The Parts of the Heart



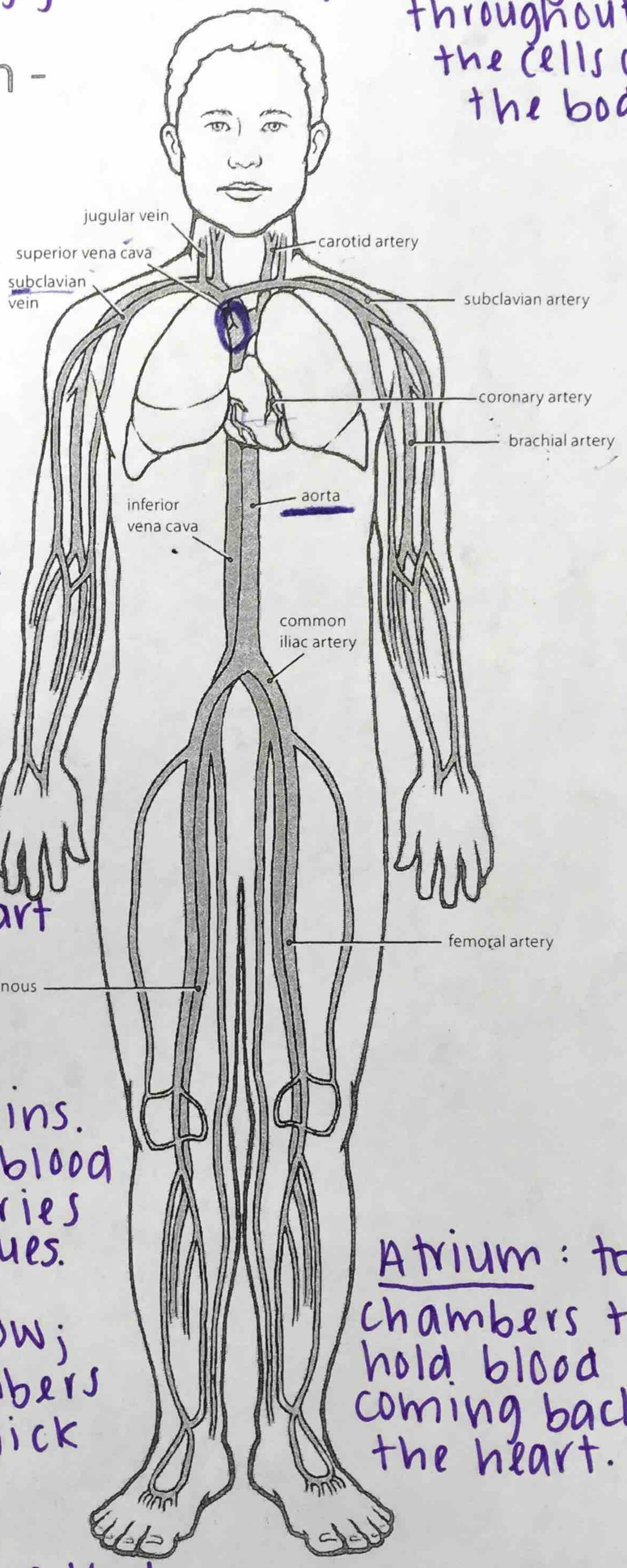
veins → into the heart

Name: arteries → away from the heart

* carries nutrients, energy (form of sugar) + oxygen throughout the cells of the body.

Cardiovascular System - *heart, blood and blood vessels* - tubes for blood movement

The circulatory system is a closed network of capillaries, arteries and veins through which blood travels, distributing oxygen to and carrying carbon dioxide away from the cells.



arteries: thick, muscular
- carry blood away from the heart (oxygen rich blood)

veins: thinner than arteries; carry blood back to the heart (oxygen poor blood)

capillaries: smallest blood vessels; connects arteries to veins.
- Allows oxygen rich blood to go into tissues + carries waste away from tissues.

heart: ♡ basically hollow; consists of 4 chambers all surrounded by thick muscle.

ventricles: bottom chambers that pump blood out of the ♡ into the body.

Atrium: top chambers that hold blood coming back to the heart.