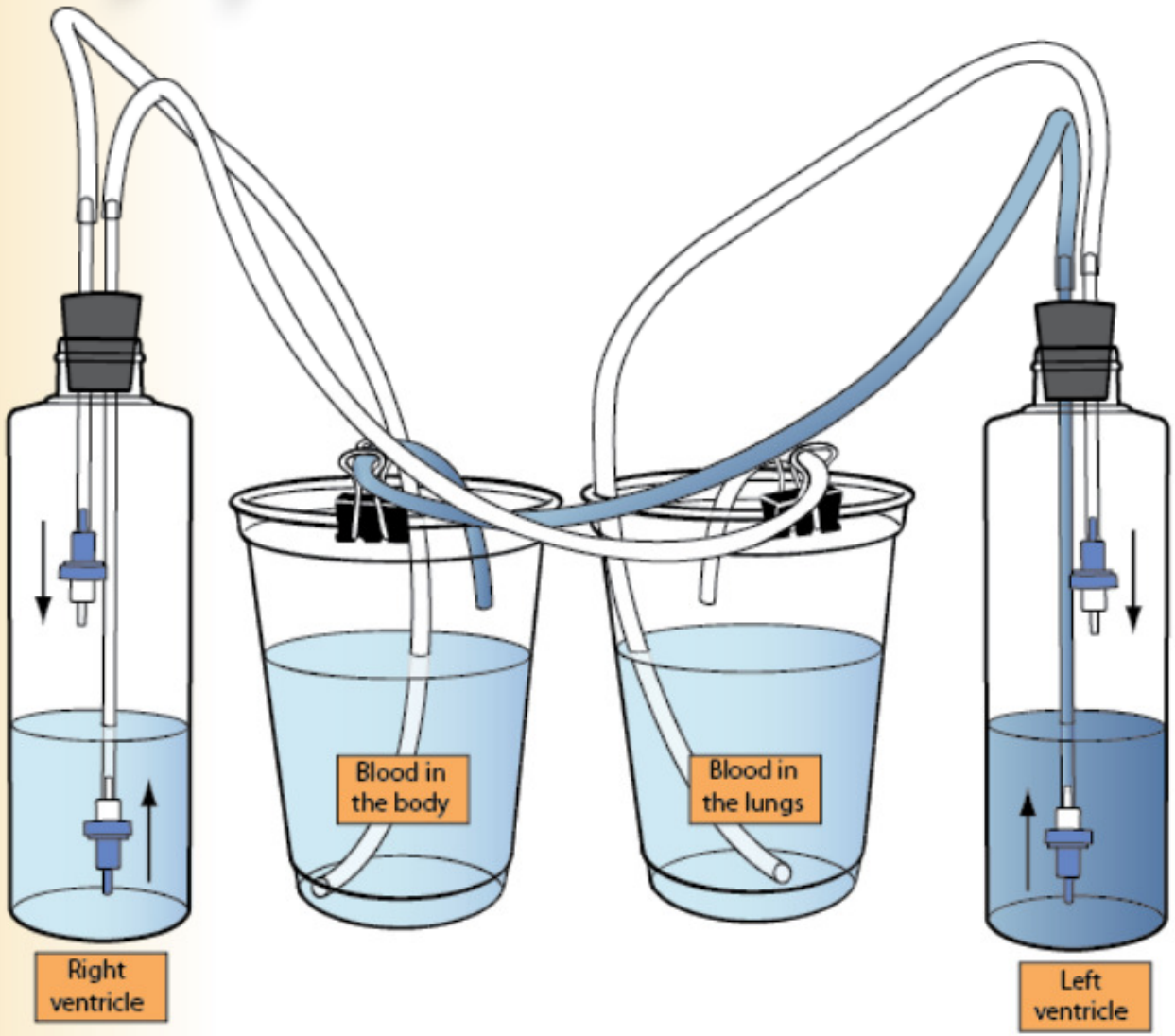
Investigation 3, Part 2

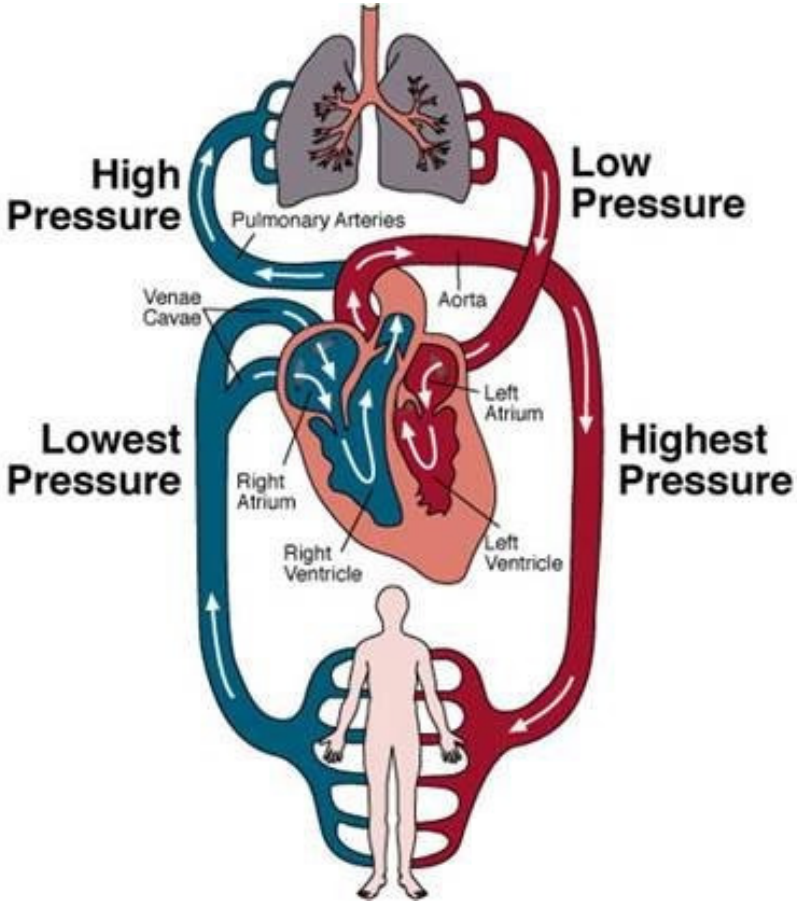
Circulatory System Model

The **ventricles** function is to squeeze the blood inside the chambers.

Valves allow blood to flow in the correct direction.



In the video, they referred to the flow of blood as a ***figure 8.*** *What did that mean?*



What is the heart and what is its role in the circulatory system?

The heart is a pump. It pushes blood around the circulatory system.

What are the heart values and what do they do?

One-way gates that allow blood to move in only one direction.

What is the main function of the **LEFT SIDE** of the human heart?

The left chambers of the heart receive oxygen-rich blood from the lungs and pump it through arteries to the rest of the body.

What is the main function of the **RIGHT SIDE** of the human heart?

The right chambers of the heart receive blood from the body and pump the blood into the lungs.

What is the typical path taken by blood in the human circulatory system?

A figure-8 pattern. Blood flows into the right chambers of the heart, into the lungs. Blood flows from the lungs into the left side of the heart and then to al the cells in the body.

How do the parts of the circulatory system function as a “system”?

The heart, valves, arteries, veins, capillaries, and lungs all interact in a complex network.

What are the limitations of the model we used in class to represent the circulatory system?

The model of the “heart” does not show four chambers (only two) and we do not see capillaries.

End session.