

PLTW Principles of Biomedical Science

Lesson 4: April 9th

Learning Targets / Daily Objectives:

Students will be able to draw, label and identify the four heart chambers and describe their functions. (*Reference: PLTW[®] 4.1.2 Anatomy of the Heart*)

Let's Get Started (Bell Ringer):

Watch Videos:

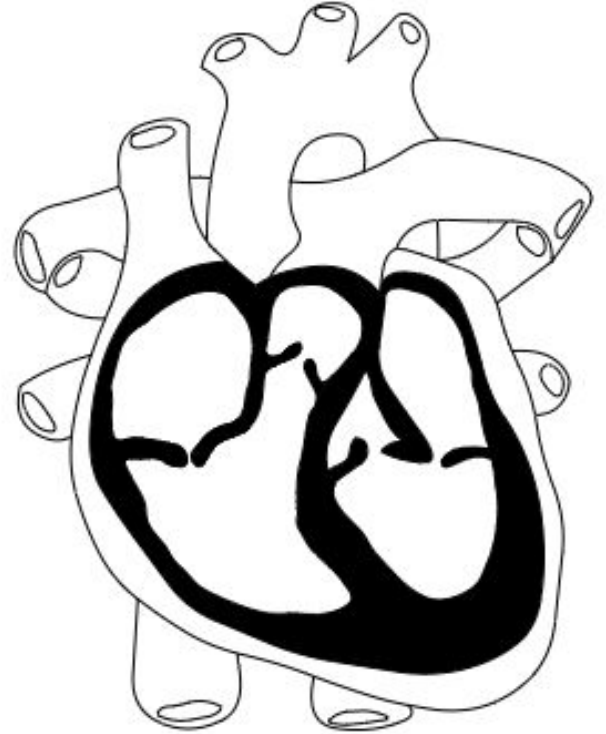
- [Anatomy of the Heart](#) (Focus on the chambers of the heart)
- [10 Things You May Not Know About the Human Heart](#)

Lesson/Activity:

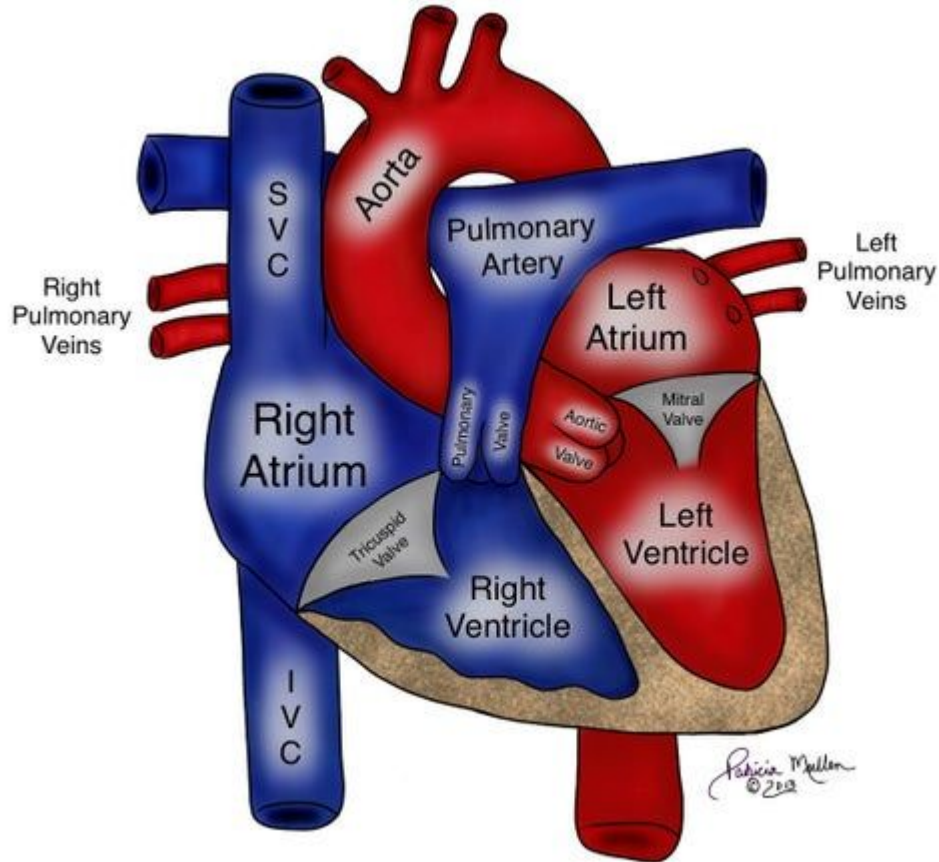
Go to this website if you need help:

[WebMD Picture of the Heart](#)

1. Draw the heart diagram in your notebook or on a piece of paper.
2. Label the following parts of the heart:
 - a. right atrium
 - b. left atrium
 - c. right ventricle
 - d. left ventricle



Answers:



https://i.etsystatic.com/17253139/r/il/f/e54b9/1492945839/il_570xN.1492945839_188z.jpg

Lesson/Activity continued:

Use these website as a resource, or find your own:

[Medical News Today](#)

[HealthLinkBC](#)

[uofmhealth](#)

In your notebook or on a seperate piece of paper, describe the function (job) of each of the following heart structures.

- Right Atrium
- Right Ventricle
- Left Atrium
- Left Ventricle

Answers:

- The right atrium receives oxygen-poor blood from the body and pumps it to the right ventricle.
- The right ventricle pumps the oxygen-poor blood to the lungs.
- The left atrium receives oxygen-rich blood from the lungs and pumps it to the left ventricle.
- The left ventricle pumps the oxygen-rich blood to the body.

<https://www.healthlinkbc.ca/health-topics/tp10241>

Practice/Self Assessment:

Go to this website:

[Get Body Smart \(The Heart Chambers and Their Functions\)](#)

Now practice by following the interactive animation's directions, when you have completed the activities go over the "test yourself" section to quiz yourself on how well you know the heart chambers.

Additional Practice:

Click on the links below to get additional practice and quizzes to check your understanding!

[Purpose Games The Heart](#)

From [Human Heart Anatomy Quiz](#) Do:

#2 Heart Image Markup Quiz

#3 Choose Correct Quiz (multiple choice)