

Day 117      **Webquest**

Location of the Heart

Be able to describe the location of the following structures:

diaphragm

mediastinum

base of heart

apex of heart

After completing this tutorial, you should be to label a diagram of the heart which shows the location of major heart chambers.

NOW GO TO THE HEART VALVES TUTORIAL

Be able to describe the location of the major heart valves:

Right AV (tricuspid)

Left AV (bicuspid)

Pulmonary Valve

Aortic Valve

NOW TO GO TO THE CORONARY ARTERIES TUTORIAL

After completing this tutorial, you should be able to answer the following questions:

The pumping action of the heart moves blood to provide oxygen to all cells of the body. How do the cells of the heart receive their supply of oxygen?

What is Coronary Artery Disease?

What happens if the heart muscle is not supplied with sufficient supply of oxygen?

Now go to the CORONARY VEINS tutorial.

Where is most of the oxygen-depleted blood brought to in the heart?

WHAT IS A NAME FOR THE PROMINENT VEINS THAT RUN ACROSS THE SURFACE OF THE HEART?

THE CORONARY VEINS RECEIVE THE BLOOD FROM THE HEART TISSUE AFTER THE OXYGEN HAS BEEN DELIVERED TO THE CELLS OF THE HEART. NOTICE THE WAY THAT THE CORONARY VEINS COVER THE HEART.

NOW GO TO "THE ELECTROCARDIOGRAM (ECG OR EKG)" TUTORIAL

AFTER COMPLETING THIS TUTORIAL, YOU SHOULD BE ABLE TO ANSWER THE FOLLOWING QUESTIONS:

DURING AN ELECTROCARDIOGRAM, WHERE ARE ELECTRODES COMMONLY PLACED?

WHY DO YOU THINK THAT ELECTRODES ARE PLACED IN THOSE AREAS?

WHAT IS THE PURPOSE OF AN ELECTROCARDIOGRAM? (YOU MAY HAVE TO CONSULT ANOTHER REFERENCE.)

WHAT IS THE COMMON ABBREVIATION FOR AN ELECTROCARDIOGRAM? (HINT: IT INVOLVES 3 LETTERS.)

NOW GO TO THE CARDIAC CYCLE TUTORIAL.

AFTER COMPLETING THE REVIEW, YOU SHOULD BE ABLE TO COMPLETE THE FOLLOWING:

BLOOD ENTERS THE RIGHT ATRIUM FROM THE:

BLOOD ENTERS THE LEFT ATRIUM FROM THE:

BOTH ATRIA CONTRACT AND FORCE BLOOD INTO THE:

WHEN THE ATRIA RELAX, THE \_\_\_\_\_ CONTRACT.

AS BLOOD MOVES UPWARD, IT FORCES THE AV VALVES TO CLOSE AND THE

\_\_\_\_\_ VALVES TO OPEN.  
AFTER COMPLETING THE TUTORIAL, PRESS PLAY AND WATCH THE SIMULATION OF THE  
BLOOD FLOWING THROUGH THE HEART.