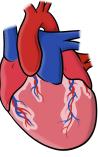


## CONCEPT: CARDIOVASCULAR SYSTEM: WORD BUILDING

### Structures of Cardiovascular System

- Combining forms describing structures of the cardiovascular system.

Combining Form	Definition	Memory Tool
<b>coron/o</b>	heart	Coron/ary arteries. 
<b>vas/o</b> <b>vascul/o</b> <b>angi/o</b>	_____	
<b>ven/o</b> <b>phleb/o</b>	_____	Veins flow back. 
<b>sept/o</b>	_____ , partition	

Combining Form	Definition	Memory Tool
<b>sphygm/o</b>	pulse	Squeeze makes a pulse. 
<b>steth/o</b>	_____	
<b>corpor/o</b>	_____	non/corpor/eal 

### EXAMPLE

A specialist trained to withdraw blood from veins for medical tests or donations is known as:

- a) Phlebotomist.
- b) Venohemocentesis.
- c) Venologist.
- d) Vasculotomy.

### PRACTICE

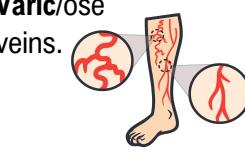
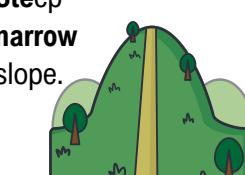
A patient undergoing open-heart surgery is connected to a machine designed to temporarily take over the functions of heart and lungs. This allows the blood to be circulated and oxygenated outside the body. This process is called:

- a) Angioplasty.
- b) Extravascular circulation.
- c) Cardiopulmonary resuscitation.
- d) Extracorporeal circulation.

## CONCEPT: CARDIOVASCULAR SYSTEM: WORD BUILDING

### Pathology of Cardiovascular System

- Combining forms describing pathology.

Combining Form	Definition	Memory Tool
aneurysm/o	widened blood vessel	A new risk! 
varic/o	_____ vein	Varic/ose veins. 
man/o	_____	Thin mannequin. 
sten/o	_____	Steep narrow slope. 

Combining Form	Definition	Memory Tool
ather/o	_____ substance	Soap lather. 
infarct/o	to infarct (necrosis of tissue in an area)	"In farct", it's dead and gone. 
occlus/o	to _____ up	O-close the door! 

### EXAMPLE

Fill in the blanks.

- Myocardial \_\_\_\_\_ ion: blood flow to the heart \_\_\_\_\_ is blocked, leading to tissue death.
- Coronary \_\_\_\_\_: condition of narrowing of heart arteries which can eventually cause a heart attack.

### PRACTICE

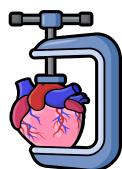
Which of the following is a medical condition in which fatty deposits build up on the wall of arteries, causing them to harden and narrow?

- Arteriosclerosis.
- Vascular occlusion.
- Atherosclerosis.
- Arteriostenosis.

## **CONCEPT: CARDIOVASCULAR SYSTEM: WORD BUILDING**

### **Suffixes**

- ◆ Suffixes used to build cardiovascular system terms.

Suffix	Definition	Memory Tool
<b>-cardia</b>	_____ condition	<b>cardi/o</b> = heart 
<b>-pressor</b>	to _____ down	
<b>-ectasis</b>	dilatation	<b>ecstatic!</b> 

### **EXAMPLE**

Fill in the blanks.

- 1) A condition characterized by dilation of blood vessel is called coronary artery \_\_\_\_\_.
- 2) A medication that constricts blood vessels in order to increase blood pressure is called vaso\_\_\_\_\_.

### **PRACTICE**

Which of the following terms describes atypical heart rhythm with unusually fast heart rate originating in the lower chambers of the heart?

- Atrial bradycardia.
- Vascular dysrhythmia.
- Ventricular tachycardia.
- Cardiac dysrhythmia.