The Circulatory System - Review Questions

Multiple Choice					
1. The heart is composed	of what type of muscle?				
a) Cardiac muscle	b) Smooth Muscle	c) Skeletal Muscle	d) Nervous Muscle		
2. Which blood compone	ent plays a key role in the p	process of clotting?			
a) White blood cells	b) Red blood cells	c) Capillaries	d) Platelets		
3. Which statement best of	describes the function of the	ne red blood cells?			
	to and from cells and carbon dioxide to and	from cells			
c) To engulf partic					
	the formation of antibodic	es			
	od pressure measurement fo				
a) 120/80	b) 85/125	c) 180/110	d) 105/70		
and the second s	where plaque builds up ins	*	.,		
a) Arrhythmia	b) Angioplasty	c) Atherosclerosis	d) Aneurysm		
	can occur when blood is la		a, - === a= j ====		
a) Arrhythmia	b) Anemia	c) Stroke	d) Hemophilia		
a) minyamina	o) i mema	c) Stroke	и) петорина		
Short Answer					
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1. Your nasal passage contains a dense network of capillaries to warm the air before it enters your body. a) How does this help to regulate the body temperature?					
	• • •	ture?			
b) How does it support th	ie respiratory system?				
2 a) What happens to a c	cut after it bleeds for a while	la?			
b) This is an example of	of which main function of	the circulatory system?			
3. What is each type of bl	lood vessel called?				
**					
a) Vessels that carry blood to the heart					
·					
c) Vessels that carr	ry blood away from the hea	III			
	4. a) What is the systolic blood pressure?				
b) What is the diastolic	e blood pressure?				
5 Which armount of h	alood is maintonily assumenti	hla fan aaah af tha fallawi	a a avamt?		
5. Which component of blood is primarily responsible for each of the following event?					
a) Initiating blood clots					
b) Transporting wastes					
c) Transporting glu	icose	=			
d) Killing bacteria		_			
C VV 1 1		1 1			
6. How does the amount of hemoglobin in the blood relate to the blood's ability to transport oxygen? 7. A child falls down and scrapes her knee on the sidewalk. Bacteria from the sidewalk enter the cut.					
	_				
Explain how the components of the child's blood become involved to help repair tissue and prevent					
further damage.					
8. Why is blood consider	ed a connective tissue?				
0. W					
9. What is hypertension?					
10 1171 4 1 1 1 1	11 11 12 23				
10. What mechanism is u	sea by blood to cope with	excessive heat during exer	cises?		

The Circulatory System - Answers

Multiple Choice

1. The heart is composed	d of what type of muscle?				
a) Cardiac muscle	b) Smooth Muscle	c) Skeletal Muscle	d) Nervous Muscle		
-	ent plays a key role in the				
a) White blood cells	b) Red blood cells	c) Capillaries	d) Platelets		
40					
3. Which statement best describes the function of the red blood cells?					
a) To carry oxygen to and from cells					
b) To carry oxygen and carbon dioxide to and from cells					
c) To engulf particles					
d) To play a role in the formation of antibodies					
,					
4. What is the normal plod pressure measurement for a healthy teenager?					
a) 120/80	b) 85/125	c) 180/110	d) 105/70		
a) 120/00	0) 00/120	0) 100/110	u) 100/70		
5. What is the condition where plaque builds up inside the arterial walls?					
_	b) Angioplasty	c) Atherosclerosis	d) Aneurysm		
a) Arrhythmia	b) Angiopiasty	c) Atheroscierosis	d) Alleurysiii		
6. Which blood disorder can occur when blood is lacking red blood cells?					
	b) Anemia	c) Stroke	d) Hamanhilia		
a) Arrhythmia	D) Alleilla	c) Suoke	d) Hemophilia		
Short Answer					
1. Your nasal passage contains a dense network of capillaries to warm the air before it enters your body.					
a) How does this help to regulate the body temperature?					
A: Capillaries have large surface area, so warm blood in the capillaries warms the air in the nasal					
passage before it enters the lungs.					
	o .				
b) How does it support the respiratory system?					
A: It protects the delicate structures in the lower respiratory system from damage caused by cold air					
		F	g		
2 a) What happens to a cut offer it bleads for a while?					
2. a) What happens to a cut after it bleeds for a while?A: A clot forms.					
A: A CIOUTOTHIS.					

- b) This is an example of which main function of the circulatory system?
- A: Protection against blood loss and against disease entering the body.
- 3. What is each type of blood vessel called?
- a) Vessels that carry blood to the heart A: Vein
- b) ____ Thin smallest vessels throughout the body where diffusion occurs A: Capillaries
- c) Vessels that carry blood away from the heart **A: Artery**
- 4. a) What is the systolic blood pressure?
- A: The pressure in the artery during a contraction.
- b) What is the diastolic blood pressure?
- A: The pressure in the artery between a contraction.

- 5. Which component of blood is primarily responsible for each of the following event?
- a) Initiating blood clots **A: Platelets**
- b) Transporting wastes A: Plasma
- c) Transporting glucose A: Plasma
- d) Killing bacteria A: White blood cells
- 6. How does the amount of hemoglobin in the blood relate to the blood's ability to transport oxygen?
- A: Oxygen is transported bound to hemoglobin so the more hemoglobin there is, the more oxygen can be transported.
- 7. A child falls down and scrapes her knee on the sidewalk. Bacteria from the sidewalk enter the cut. Explain how the components of the child's blood become involved to help repair tissue and prevent further damage.
- A: Since blood vessels tear, platelets travel to the injury and produce a fibrous mesh of fibrin to stop the blood flow and eventually form a blood clot. Since the bacteria have entered the wound, white blood cells will surround, engulf and destroy the bacteria.
- 8. Why is blood considered a connective tissue?
- A: Blood links all the cells and organs of the body.
- 9. What is hypertension?
- A: Continuous high blood pressure.
- 10. What mechanism is used by blood to cope with excessive heat during exercises?
- A: Sweating releases heat. Blood vessels dilate/widen to increase blood flow near the skin.