Name	e:	Class:		Date:	ID: A	
Bio1	2-Q ²	4W3-Circ.+Resp.+Excretion system	s-H.W			
True/ Indica		e hether the statement is true or false.				
	1.	The respiratory system uses oxygen in the form of ATP.	breakdov	wn of glucose in cells in order to pr	ovide energy in the	
	2.	If you have type A blood and anti-A is add	ed durin	g a transfusion, no clumps will forn	n.	
	3.	Your pulse represents the pressure that blo	od exert	s as it pushes the walls of a vein.		
	4.	Breathing is controlled by changes in the c	hemistry	of the blood, which cause the med	ulla oblongata to react.	
	5.	. When your diaphragm contracts, the space in the chest cavity becomes larger.				
	6.	Carbon dioxide and oxygen are the waste p	oroducts	of cellular respiration.		
	7.	The major waste products of the cells are a	mmonia	and the wastes from the breakdown	n of proteins.	
	8.	As the liquid passes through the U-shaped tubule in the nephron, most of the ions and water and all of the glucose and amino acids are reabsorbed into the bloodstream.				
	9.	Blood enters the heart through the atria.				
	10.	The only veins that carry oxygen-rich bloo	d are the	venae cavae.		
	11.	The blood in the veins is prevented from fl	owing b	ackward because of valves in these	blood vessels.	
	12.	Red blood cells are produced in the spleen.	•			
	13.	Human red blood cells are produced by the	liver.			
		Choice choice that best completes the statement or	answers	s the question.		
	14.	Which organ filters blood that has collected homeostasis of body fluids?	d wastes	from cells throughout the body and	I maintains the	
		a. kidneysb. heart	c. d.	lungs pacemaker		
	15.	Which of the following stores urine before		•		
		a. urinary bladder	c.	kidneys		
	16.	b. urethraThe process that uses oxygen to break dow	d.	ureters		
	10.	a. only in the lungs	c.	in alveoli	·	
		b. when the diaphragm contracts	d.	within cells		
	17.	Which of the following is associated with a metabolic processes	cellular r c.	espiration? gas exchange in cells		
		b. ATP formation	d.	all of these		
	18.	Which of the following is true of breathinga. homeostatic processb. involuntary process	g? c. d.	coordinated process all of these		

19. Which of the following is the shape of the diaphragm when it is in the exhaling position?

a. circular

c. flat

b. dome shape

d. triangular

20. The filtering unit of the kidney is the

a. bladder

c. nephron

b. ureter

d. urethra

21. Which of the following is a function of the kidney?

a. remove wastes from the blood

c. adjust the salt level of the blood

b. adjust the fluid level of the blood

d. all of the above

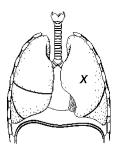


Figure 37-3

22. How would the diaphragm change in Figure 37-3 in order to inhale?

a. flatten and lower

c. flatten and go higher

b. expand and go higher

d. expand and lower

23. What would happen to the diaphragm in Figure 37-3 during a cough?

a. it would flutter

c. it would move up rapidly

b. it would remain still

d. it would relax

24. Approximately what is the gas concentration at the point marked X in Figure 37-3 if it is at a high pressure?

a. more oxygen, less carbon dioxide

c. more oxygen, more carbon dioxide

b. less oxygen, more carbon dioxide

d. less oxygen, less carbon dioxide

Antibody A \bigcirc Antigen A \bigcirc Antigen B \bigcirc

Blood sample

Other cells



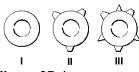


Figure 37-4

25. What antibodies does the sample shown in Figure 37-4 have?

a. A

c. both

B

d. neither

26. Which blood cell can the specimen shown in Figure 37-4 be given with no harm?

a.]

c. III

b. II

d. I and II

- 27. Which type of blood cell can the specimen shown in Figure 37-4 donate to with no harm?
 - a. I

c. III

b. II

d. all of them

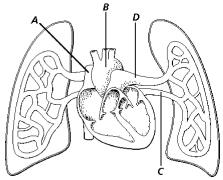


Figure 37-5

- 28. What is the destination of blood a B in Figure 37-5?
 - a. the heart

c. the body

b. both lungs

- d. the left lung
- 29. How is the blood located in the vein at C in Figure 37-5 different than the blood in all other veins of the body?
 - a. it is rich with oxygen

- c. it doesn't reach the lung
- b. it is rich with carbon dioxide
- d. it doesn't reach the heart
- 30. Why is blood pumped through D before B in Figure 37-5?
 - a. to enrich it with oxygen

- c. to enrich it with water
- b. to enrich it with carbon dioxide
- d. to enrich it with blood cells

Matching

Match each item with the correct statement below.

- a. hemoglobinb. antigenc. trachead. nephrone. artery
- f. atrium g. alveoli
- h. urine

m. plasman. capillaryo. ventricle

aorta

pulse

platelets

antibody

j.

k.

- p. vein
- 31. Solution of body wastes consisting of excess water, waste molecules, and excess ions
- 32. Regular surge of blood through an artery
- 33. Largest blood vessel in the body
- 34. A lower chamber of the heart
- 35. An upper chamber of the heart
- 36. A large blood vessel that carries blood from the tissues to the heart
- 37. A kind of large, muscular, thick-walled elastic vessel that carries blood away from the heart
- 38. Protein that reacts with an antigen

Name	:		ID: A
	39.	Microscopic blood vessel	
	40.	Foreign substance that stimulates an immune response	
	41.	Cell fragments that help blood to clot after an injury	
	42.	Iron-containing protein that picks up oxygen after it enters the blood vessels in the lungs	
	43.	Fluid portion of blood in which blood cells move	
	44.	Sacs of the lungs where exchange of oxygen and carbon dioxide takes place	
	45.	Passageway leading from the larynx to the lungs	
