Class Name Date

Chapter

Respiration, Circulation, and Excretion

Reinforcement and Study Guide

Section 37.1 The Respiratory System

In your textbook, read about air passageways and lungs.

Circle the lette	er of the choice	that best com	pletes the statem	ent or answers	the question.
Chicic the lette	of the choice	tilat best com	pictes the statem	ciit oi alisweis	mic question

Circle the letter of the choice t	hat best completes the s	tatement or an	swers the question.	
1. During the process of respira	tion,			
a. oxygen is delivered to boo	y cells. b. ca	b. carbon dioxide is expelled from the body.		
c. oxygen is used in cells to J	c. oxygen is used in cells to produce ATP. d. all of these.			
2. When you swallow, your epig	glottis momentarily covers	the top of the t	rachea so that	
a. you can swallow more eas	ily. b. yo	u can breathe m	nore easily.	
c. you don't get food in your	air passages. d. yo	d. you can cough up foreign matter.		
3. The cilia that line your trach	ea and bronchi			
a. produce dirt-trapping mu	cus. b. he	b. help in the exchange of oxygen and CO_2 .		
c. move mucus and dirt upw	ard. d. on	d. only beat when you inhale.		
4. The first branches off the tra	chea are called			
a. bronchioles. b. bron	chi. c. ar	terioles.	d. alveoli.	
5. Inside the alveoli, carbon dio	xide and oxygen			
a. are exchanged between air		e transported ald	ong microscopic tubules.	
c. are produced inside cells.		d. are exchanged for other gases.		
6. Which is the correct sequence	e for the path of oxygen the	nrough the respi	iratory system?	
a. nasal passages, bronchi, tr			,	
b. cells, blood, alveoli, brond				
c. nasal passages, blood, alve				
d. nasal passages, trachea, br				
In your textbook, read about the n	nechanics of breathing and	the control of re	espiration.	
Ennesth sasannanahala		•		
For each statement below, writ	e <u>true</u> or <u>taise</u> .			
7. Ho	meostasis in respiration is	controlled by th	ie cerebrum.	
8. As	you exhale, the bronchiole	s in the lungs re	lease most of their air.	
9. Wh	en you inhale, the muscles	s between your 1	ribs contract.	
10. Rel	axation of the diaphragm o	causes a slight va	acuum in the lungs.	
	rushes into the lungs becan the air pressure inside th		sure outside the body is greater	

12. Relaxation of the diaphragm causes it to flatten.

Respiration, Circulation, and Excretion, continued

Reinforcement and Study Guide

Section 37.2 The Circulatory System

In your textbook, read about your blood, ABO blood types, and blood vessels.

t to find suspended	or dissolved in plasm	na?
[5		
orrect column for	each description.	
Red Blood Cells	White Blood Cells	Platelets
pes result from diff	ferent antibodies bei	ng present on the
	Red Blood Cells an be changed with blood cells.	Prect column for each description. Red Blood Cells White Blood Cells an be changed with a blood transfusion. The per result from different antibodies being the change of the change

12. Risks involving incompatible Rh factors are greatest for a woman's first

child.

Class Name Date

Respiration, Circulation, and Excretion, continued

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Section 37.2 The Circulatory System

In your textbook, read about your heart, blood's path through the heart, and inside your heart.

Label the parts of the human heart in the diagram below. Use these choices:

	aorta pulmonary veins	left atrium right atrium	left ventricle right ventricle	pulmonary arteries
13.			L M	
14.				15
17.				16

- **20.** Where does blood go from the pulmonary veins? From the right ventricle? From the left ventricle?
- **21.** What prevents blood from mixing between atria and ventricles?

In your textbook, read about heartbeat regulation, control of the heart, and blood pressure.

Determine if the statement is true. If it is not, rewrite the italicized part to make it true.

- **22.** The surge of blood through an artery is called the *cardiac output*.
- **23.** The pacemaker initiates heartbeats by generating electrical impulses. ___
- **24.** An electrocardiogram is a record of the strength of each heartbeat.
- **25.** The *atrioventricular node*, along with sensory cells in arteries near the heart, regulates the pacemaker.
- **26.** *Diastolic pressure* occurs when the heart's ventricles contract. ____

19.