	The Respiratory System
ecti	on 7.1 Structures of the Respiratory System
1.	Name the four most common gases in the atmosphere (What percentage of the atmosphere
	does each makes up?) /4
2.	What is nitrogen in the air used for in your body? /1
3.	What is the main function of the human respiratory system?. /2
4.	State the two main requirements for respiration to occur. /2
5.	The stages in respiration are,,
0.	, and /4
6.	Identify the site of exchange in external respiration: and; and
0.	the site of exchange in internal respiration: and, and /4
7.	Draw and label a diagram of the respiratory system inside the thoracic cavity: /15
7. 8.	Why is it bad to pluck out nose hairs? /1
o. 9.	
	Why is snot good? /1 Another word for the windpipe is: /1
	What keeps the trachea from collapsing? /1
	What reflex kicks in if your epiglottis reflex malfunctions? /1
13.	The voicebox, also known as the contains two ligaments
	called the When these are more relaxed (and
	therefore thicker), a pitched sound is produced. What causes males voices to 'crack' during puberty? /4
	males voices to 'crack' during puberty?
14.	What is the biggest difference in structure between the bronchi and the bronchioles?
	/1
15.	In what two ways do ciliated cells help to protect the lungs? /2
	An asthma attack involves the contraction of:/1
17.	The alveoli is a sac filled with The walls of the
	alveoli are cell(s) thick to facilitate of gases.
	There are approximately alveoli in each lung. (hint: read
	the FVI) /4
18.	Alveoli are lined with Why? /2
19.	What is the pleural membrane? /1
cti	on 7.2 Breathing and Respiration
	Gases always move from areas of pressure to areas of
	pressure. /2
21.	The controls the air pressure inside the thoracic cavity.
	When it is relaxed, pressure is When it contracts, pressure is
	/3
22.	Draw a picture of a thoracic cavity with a relaxed diaphragm, and then one with a
	contracted diaphragm. /2
23	What muscles cause the chest to expand and inspire air? /1
	A collapsed lung is also known as (hint: FYI) /1
	State the five different volumes that are recorded by a spirometer. The graph of this
۷٥.	
26.	data is called a /6
	In order for gas exchange to occur, the walls of the and the
	are one cell thick. /2
27.	When oxygen in the air diffuses across the alveoli membrane, it bonds with
	in the red blood cells to form
	This molecule is carried via the RBCs to cells in the
	1 1 /0
28.	In the cells, gas is produced as a by-product of
	cellular respiration. When this dissolved in fluid (water),
	forms. (Chemical formula:) /2
20	The carbonic acid dissociates into and ions. /2
υ.	ine carbonic acra grabbetates into and and 1005. /2