The Respiratory System: Anatomy Review

7.

Name the three types of cells in the <u>alveolus</u>:

Fill in the missing organs of the resp	piratory system:		
$\underline{\hspace{1cm}}$ (air enters) \rightarrow	nasal cavity →	(both air ar	nd food move
through) \rightarrow trachea \rightarrow	(large tubes leading	g to both lungs) \rightarrow	lungs.
Each lung is surrounded by two laye	ers of serous membrane known	as pleurae. These	e are:
pleura; covers the surfa	ace of the lung		
pleura; lines the thorac	ic wall		
The space in between is called the _	cavity and it is f	illed with	fluid.
This fluid assists breathing moveme	ents by acting as a	·	
Bronchial tree:			
Air flows from the trachea through	the,	, and	bronchi to
smaller and smaller bronchi. The tr	achea and bronchi contain	to k	eep the airways open
Bronchi branch into	, which do not contain	but do c	ontain more
muscle. This allows for i	regulation of airflow.		
Airways from the nasal cavity throu	gh the terminal bronchioles are	e called the	
zone.			
The function of this zone is to	and	the air.	
Is there gas exchange in this zone?			
The respiratory zone contains	where gas is excha	anged. This zone of	consists of the
bronchioles,	ducts and	sacs.	
The pulmonary carries	blood which is (high or low) is	n oxygen to the lu	ngs.
Pulmonary exchange	gases with the alveoli.		
Blood leaves the lungs in the pulmo	onary, which can	rry	_ blood back to the
heart.			

	1; simple squamous epithelium	
	2; removes debris and microbes	
	3; secretes surfactant. Surfactant (decreases or increases) surface tension which	
	prevents the alveoli from collapsing.	
8.	The thin respiratory membrane consists of the epithelium and the	
	membrane of both the alveolus and the capillary.	
9.	In congestive heart failure (Quiz section), there is an accumulation of fluid in the lungs (known as	
). This increases the thickness of the respiratory membrane,	
	resulting in (more or less) gas exchange.	