

B4 - lungs	Answer
1. What is the top part of the body called where the lungs are located?	The thorax
2. What is the bottom part of the body called below the thorax?	The abdomen
3. What separates the thorax from the abdomen?	The diaphragm
4. What part of the body protects the lungs?	The ribcage
5. What is the other name for the windpipe?	trachea
6. Name the two air tubes that the trachea splits into.	Bronchi (plural) Bronchus (singular!!)
7. Which tubes are alveoli found at the end of?	bronchioles
8. What adaptations allow the alveoli to exchange gases with the bloodstream easily?	<ol style="list-style-type: none"> 1. The alveoli have a large surface area. 2. They are surrounded by a plentiful supply of blood in capillaries. 3. Walls of alveoli and capillaries are very thin. 4. Alveoli are ventilated.
9. What is breathing?	The process of taking oxygen from the air and removing carbon dioxide from the body
10. How do the gases move between the blood stream and the alveoli?	By diffusion
11. Describe the changes in the ribcage and diaphragm during breathing	<p>Inhaling – ribcage moves up and out diaphragm moves down.</p> <p>Exhaling – ribcage moves down and in the diaphragm moves up</p>
12. What is the name for the movement of air into and out of the lungs?	Ventilation
13. How do changes in pressure in the thorax occur?	As the thorax decreases in size lung pressure increases causing them to empty. Inhaling decreases pressure in the lungs.

