

### Breathing video questions

1. What is the scientific name for the windpipe?
2. What is the tough material the 'C' shaped structures in windpipe made from?
3. Why does the windpipe have these?
4. When the windpipe separates to make 2 tubes, what is the tube taking air to the left lung called?
5. What are the branched tubes inside the lungs called?
6. What is the sheet of muscle beneath the lungs called?
7. When we inhale (breathe in), what happens to this sheet of muscle?
8. What effect does this movement have on the volume of air inside the chest?
9. Why does air pressure get lower as a result of this change?
10. What causes the air to move into the lungs?
11. In order to exhale (breathe out), what has to happen to the air pressure inside the lungs?
12. Why does this cause air to move out of the lungs?

13. What are found at the ends of the bronchioles?
14. What gas moves into the blood?
15. What gas moves out of the blood?
16. What can be said about the thickness of the wall of the alveolus and the wall of the blood capillary?
17. How would you describe the surface area of all of the air sacs added together?
18. If you regularly exercise, what happens to your lung capacity (the amount of air you can take in with one breath)?
19. What is the space in the middle of the bronchiole called?
20. In a person who has asthma, what is the difference between the size of this space compared to the size of the space inside the bronchiole of a person who doesn't have asthma?
21. What happens to the muscles of the bronchiole wall if chemicals from an inhaler are breathed in?
22. What effect does this have on the size of the airway?
23. Name 2 lung diseases that can be caused by regular smoking.
  - 
  -

24. In the video of the lady with the lung disease, what effect does the disease have on her ability to breathe?

25. What is the reason for this?