Breathing

Organisms 3.8.3 | Part 2, usually Year 8 | 20 quick questions

KS3 science quick questions

Answer online, marked instantly

Activate 1: Structure and function of body systems | Exploring Science 8C

Name: _____ **Date:** _____ **Score:** _____ **/ 20**

1 Which pair of organs in your chest takes in oxygen from the air?

2 Air goes down your windpipe when you breathe in. What is the science name for the windpipe?

3 The trachea splits into two tubes, one going to each lung. What is one of these tubes called?

4 What are the smaller and smaller tubes that branch off inside each lung called?

5 What are the tiny air sacs at the ends of the smallest tubes in the lungs called?

6 Which gas passes from the alveoli into the blood?

7 Which waste gas passes from the blood into the alveoli to be breathed out?

8 By which process do oxygen and carbon dioxide move between the alveoli and the blood?

9 Which sheet of muscle under your lungs flattens when you breathe in?

10 Which muscles between your ribs move the rib cage up and out when you breathe in?

11 When you breathe in, does the volume of your chest increase or decrease?

12 When you breathe in, does the air pressure inside your lungs increase or decrease?

13 What is the word for breathing out?

14 Which illness makes the airways get narrow and tight, causing wheezing? It is often treated with an inhaler.

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15 Which sticky brown substance in cigarette smoke coats the lungs?

Year 9 stretch

16 A pupil breathes out 0.5 litres in each breath and takes 14 breaths in one minute. What volume of air do they breathe out in one minute? Give your answer in litres.

17 A bottle shows someone can breathe out 3.2 litres in one big breath. What is this in cm^3?

18 Smoking damages the tiny hairs that sweep mucus out of the airways. What are these hairs called?

19 Explain why having millions of alveoli helps the lungs do their job.

20 Explain why your breathing rate goes up when you run for a bus.

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