



Whether you're wide awake getting ready for that big game or asleep during your most snooze-worthy afternoon class, you don't have to think about breathing. It's so important to life that it happens automatically. Each day you breathe about 25,000 times, and by the time you're 70 years old, you'll have taken at least 600 million breaths!

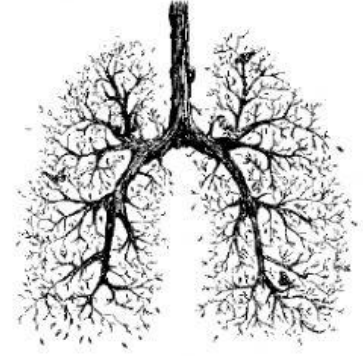
If you didn't breathe, you couldn't live. It's one of the most important functions your body performs!

There are questions about human circulatory system below. Read the instructions carefully and answer the questions.

Here are websites that you can do research:

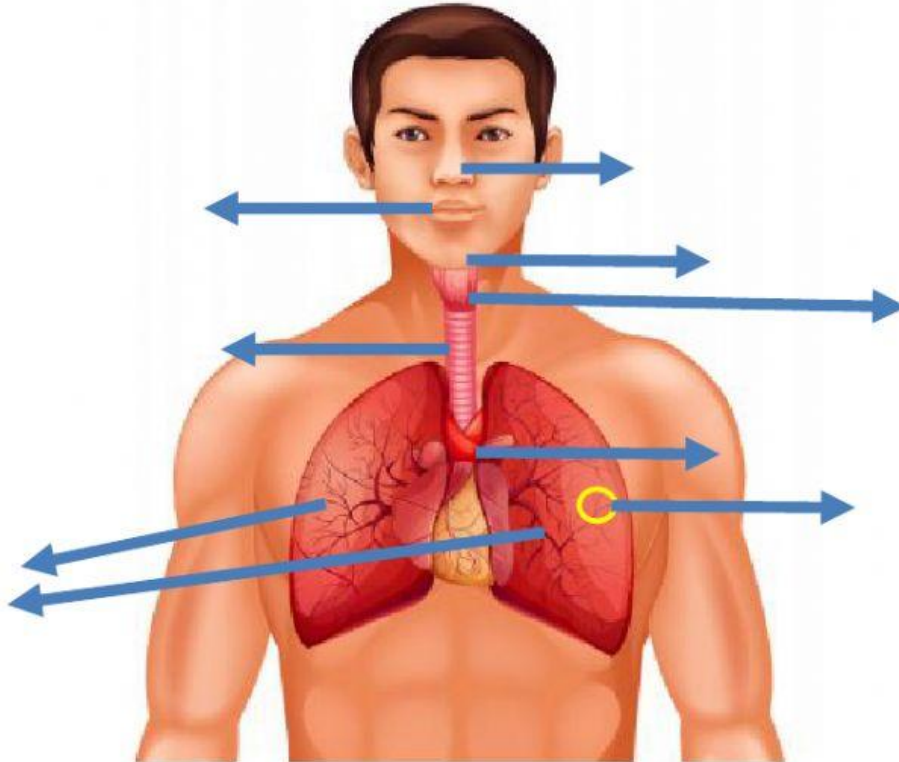
[Respiratory System Britannica](#)

[Respiratory System KidsHealth](#)



1) a) Label the respiratory system organs on the diagram below. Use the given words in the box.

Nose	Mouth	Bronchi	Windpipe	Larynx	Bronchioles	Lungs
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- 2) According to the organs above, make an order of the journey of O_2 (oxygen) during breathing starting from nose.

Nose

- 3) Is there a difference between breathing from mouth or nose? If there is, explain your reasoning.



- 4) When we breathe in, air gets forced through our nose or mouth, down our windpipe, and into bronchi tubes in our lungs. These bronchi tubes branch out and get smaller and smaller, like the roots or branches of a tree which are called bronchioles. At the end of the smallest branches of the bronchi are tiny air sacs called alveoli. These air sacs have a very thin, one cell thick wall that allows oxygen to be passed to red blood cells as they are passing by. There are hundreds of millions of these tiny guys in our lungs.

What is the relationship between respiratory and circulatory system? Explain with your reasoning.

