



GROUP WORK

Whether you're walking, running or sleeping, you don't have to think about breathing. 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!

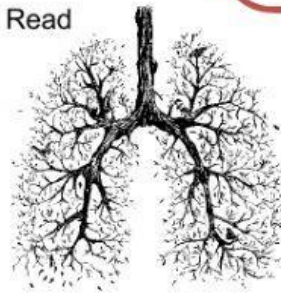
If you didn't breathe, you couldn't live. It's one of the most important functions your body performs!

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

Here are websites that you can do research:

[Respiratory System Britannica](#)

[Respiratory System KidsHealth](#)



MYP CONCEPTS
KEY CONCEPT:
SYSTEMS
RELATED CONCEPTS:
FUNCTION, BALANCE
GLOBAL CONTEXT:
IDENTITIES AND
RELATIONSHIPS
(Health, well-being and life
style choices)

1. Indicate the names of the respiratory system organs on the diagram below.

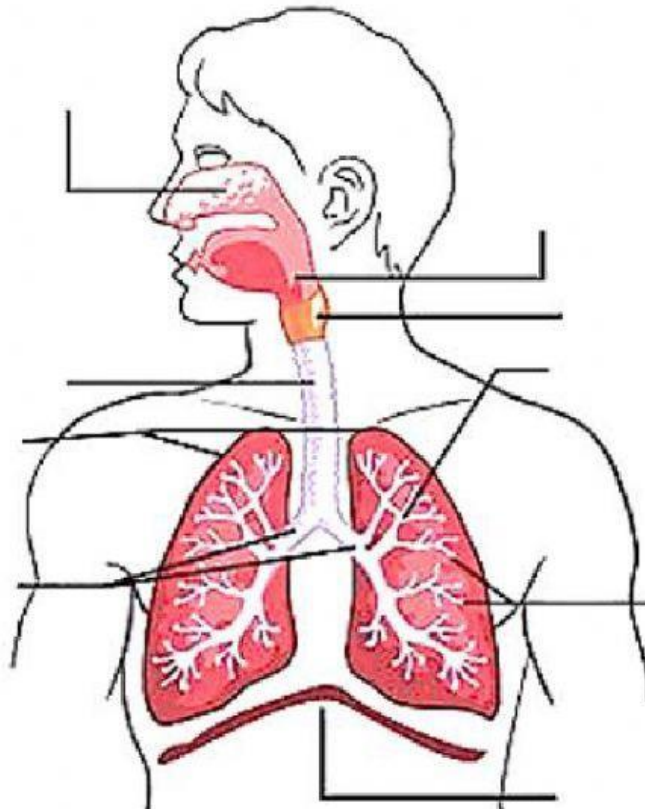
DIAPHRAGM
LARYNX

LUNGS
ALVEOLI

NOSE
PHARYNX

BRONCHI
BRONCHIOLES

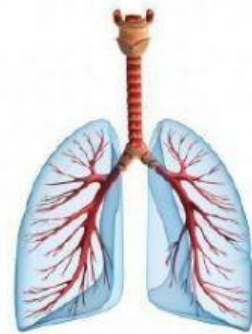
TRACHEA



2. Make an order of the journey of O₂ (oxygen) during breathing starting from nose.
3. *"As you breathe in, your diaphragm contracts and flattens out. This allows it to move down, so your lungs have more room to grow larger as they fill up with air."*

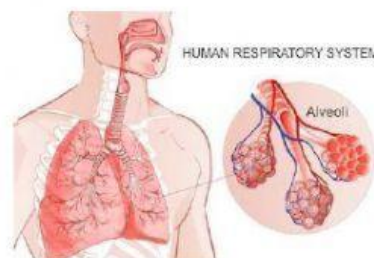
Explain how diaphragm works as we exhale?

4. Why do we need to breathe? Explain your reasoning.
(Consider support and movement, digestive and circulatory system functions, as well)






5. Is there a difference between breathing from mouth or nose? If there is, explain your scientific reasoning.

6. 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 them in our lungs.



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

SELF-REFLECTION (Put a check mark under the smiley face.)

Criteria/Levels			
I can identify and label respiratory system organs.			
I can order respiratory system organs.			
I can explain what diaphragm is and how it works.			
I can explain the importance of breathing from nose with scientific reasoning.			
I can explain the relationship between respiratory and other human body systems.			
I developed my research skills. I accessed information to be informed and inform others.			