

The Respiratory System

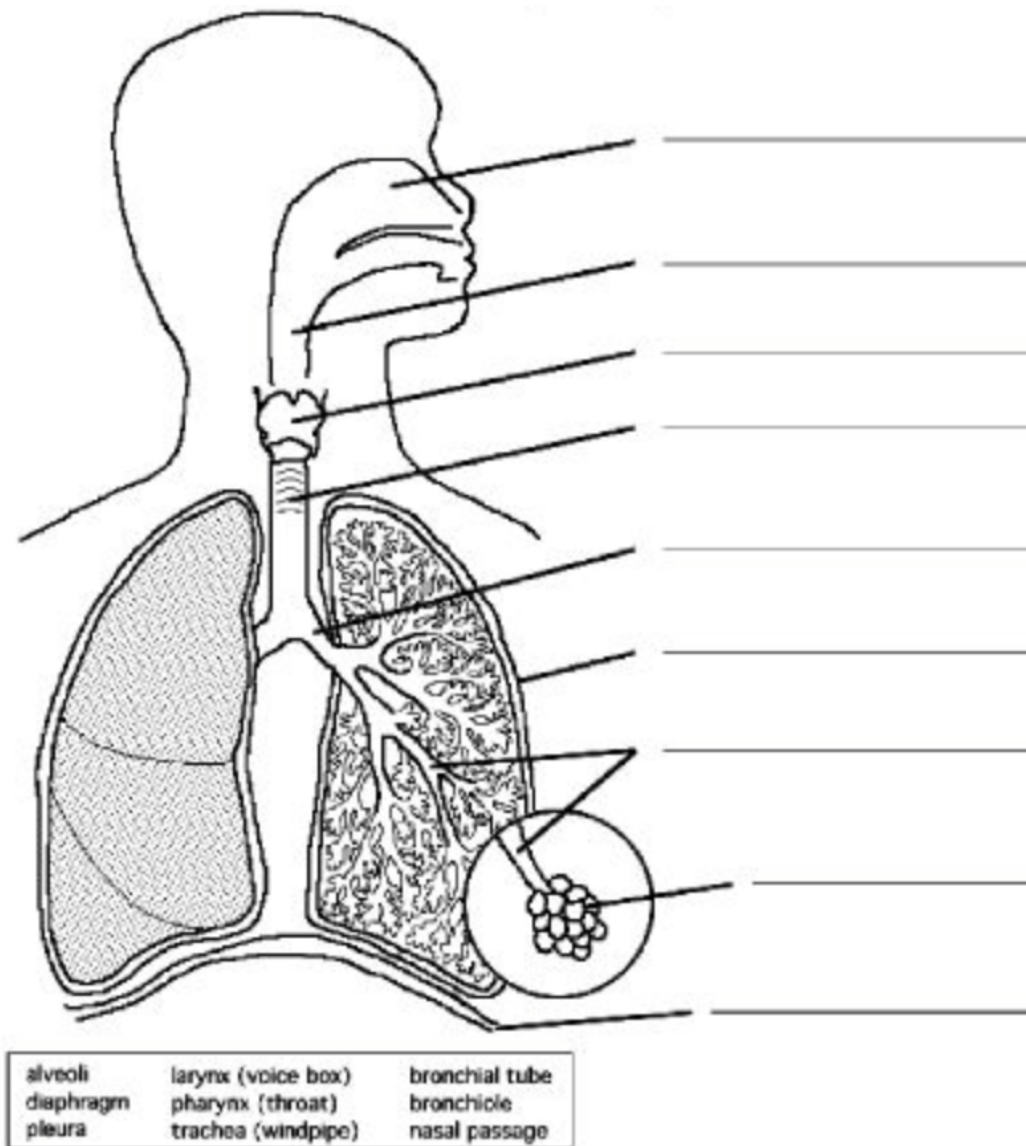
Refer to the textbook pg. 91 - 95

What is the main job of the respiratory system?

How much air is moved through the lungs each day, on average?

Describe the passage of air from the atmosphere into the lungs using the following terms:
Mouth, Bronchus, Trachea, Pharynx, Nose, Alveoli

Label the following diagram of the respiratory system:



How does the body attempt to remove dust and other irritating materials from the respiratory system?

How is the trachea supported?

What happens during gas Exchange?

Alveolus (alveoli) –

Alveoli and Capillaries have _____ walls. This helps make gas exchange possible.

The concentration of oxygen in the blood that flows through the lungs is always _____ than the concentration of oxygen in the alveoli. Why is this important?

The process of bringing air into the lungs is called _____ while the process of pushing air out is called _____. The entire process is called _____.

How is air moved into and out of the lungs? (Pg 92)

Breathing is an involuntary process controlled by a part of the brain which detects the concentration of _____ in the blood. We can override this for a short period of time. If someone forcefully held their breath, what do you think would happen? (*Not in the textbook*)

Other animals may have drastically different methods of gas exchange based on their habitat and environmental conditions. How does gas exchange occur in fish?

What is Tuberculosis? What are the symptoms?

What forms of cancer can be attributed to smoking?

There was an international epidemic of a disease known as SARS in 2003. What does SARS stand for, and what are its symptoms? COVID is also a form of the SARS virus.

Homework: pg. 95 #1-6