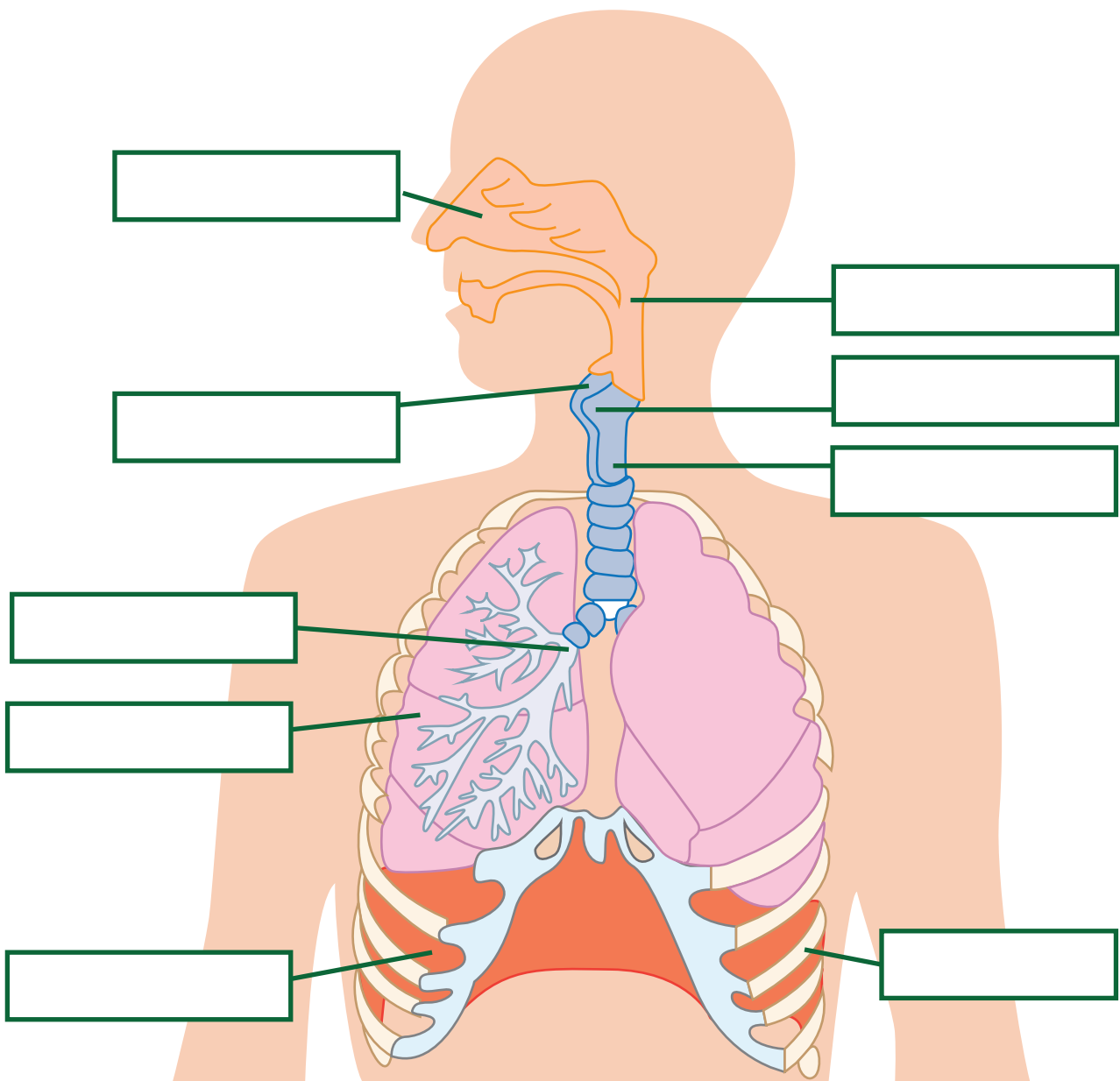


Breathe Deeply!

It's time to test your knowledge of the respiratory system. How well do you know the organ system that helps you get the oxygen you need from the environment? Take a deep breath and answer the questions below.

Label the diagram of the respiratory system.

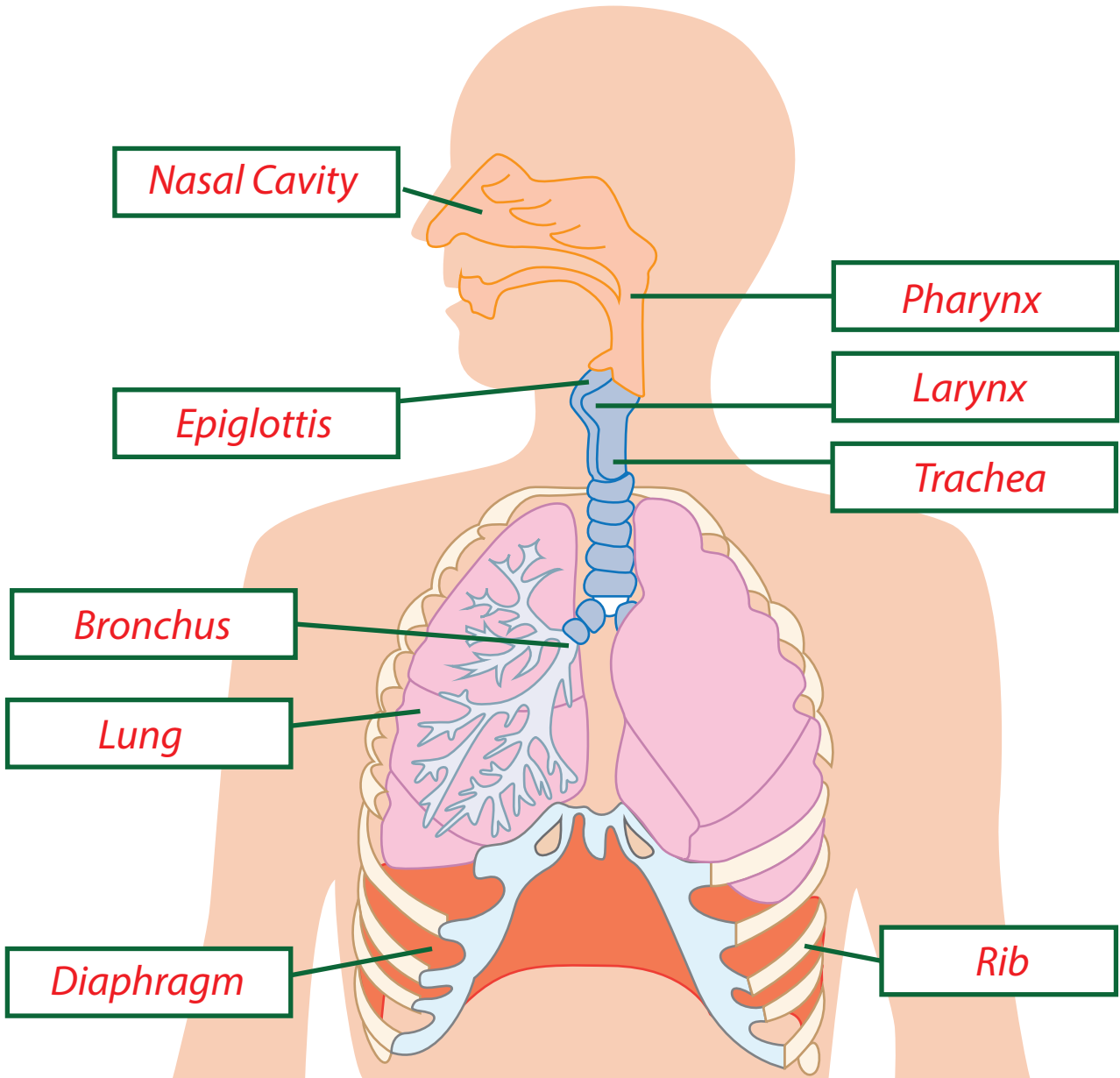




Explain the function of any five parts of the respiratory system.

A series of 20 horizontal green lines providing space for the student to write their answer.

Answer:





Explain the function of any five parts of the respiratory system.

Nostrils – *The nostrils take in air and warm and humidify it. Tiny hairs called cilia filter out dust and other particles present in the air.*

Trachea – *This is also known as the windpipe. It filters the air and branches into the bronchi.*

Bronchi – *The bronchi are the two tubes that branch out from the trachea and carry air directly into the lungs.*

Lungs – *This is the main organ of the respiratory system. This is where oxygen is taken in and carbon dioxide is released. From the lungs, red blood cells pick up oxygen and carry it to the other cells in the body. The red blood cells then take the carbon dioxide from these cells and return it to the lungs.*

Bronchiole – *The bronchi divide into many minute branches called bronchioles, which end in alveoli.*

Alveolus – *These are the tiny air sac like structures in the lungs where the gaseous exchange takes place.*

Diaphragm – *The diaphragm is the dome shaped muscle that helps us breathe. When we breathe in, the diaphragm contracts, flattens out and pulls downward. This increases the space in the lungs and forces air into it. When we breathe out, the diaphragm expands and reduces the amount of space in the lungs, forcing air out.*

Rib – *The ribs are the bones that protect the lungs.*