

Respiratory System Webquest

Direction: Open the Webquest document and visit the following sites to answer the questions in your science notebook. Title each section with the PART #. Answers should be written in full sentences.

Part 1: Go to the following website: <http://kidshealth.org/kid/closet/movies/RSmovie.html#cat20580>
Answer the following questions below.

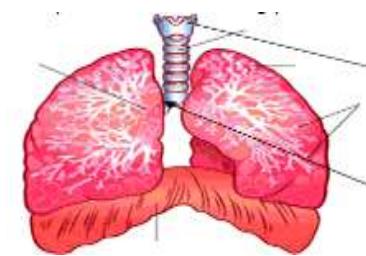
1. What is the function of the respiratory system
2. Describe the process of breathing and how the gases are exchanged
3. What happens during exhalation and inhalation?
4. What muscle expands and contracts as a person breathes in and out? What does breathing mean to you
5. How does your body use oxygen and what is the name of this process?

Part 2

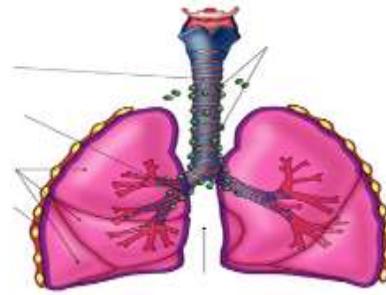
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Now, visit
http://www.kidshealth.org/kid/body/lungs_noSW.html

Label and define each part of the following picture



Go to the following website:
<http://www.cts.usc.edu/lpg-aboutyourlungs.html>
Label and define all the additional anatomical features of the respiratory system



Part 3: Use the website below to answer the following questions.

http://www.nhlbi.nih.gov/health/dci/Diseases/hlw/hlw_what.html

1. What is meant by gas exchange?
2. What happens to air in the nose?
3. What is the epiglottis and what does it do?
4. What are the cilia and what do they do?
5. What happens to the particles trapped by the cilia?
6. Why is your left lung smaller than your right lung?
7. Bronchi branch into _____ These tubes end in bunches of _____
8. What do the capillaries around the air sacs do?
9. What are four muscle groups involved in breathing?

Go to “What controls breathing?”

1. Where is the respiratory center for controlling breathing located?
2. Describe at least three things that can change your breathing rate?
3. Describe the four locations for the sensors that control breathing rate.

Go to Diseases and Conditions

1. Describe at least 3 diseases or conditions that may affect breathing.