*Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Hour \_\_\_\_\_*

*Anatomy & Physiology Date \_\_\_\_\_\_*

***The Respiratory System Web-quest***

**Part I** Website: <http://www.lung.ca/children/grades7_12/respiratory/respiratory_system.html>

1. Read the first paragraph and summarize the main purpose of the Respiratory System?

2. SCROLL DOWN and read under the diagram

a. What is the function of the nasal cavity?

b. What is the difference between the adenoids and the tonsils?

c. What is the function of the epiglottis?

c. What is the pleura?

**Part 2** Website: <http://www.coolquiz.com/trivia/explain/docs/yawn.asp>

3. Why do you yawn? BE SPECIFIC...you must read the entire page.

**Part 3** Website: <http://kidshealth.org/kid/talk/qa/sneeze.html>

4. a. Why do you sneeze?

b. What are **photic** sneezers? What is autosomal dominant heliocentric compelling ophthalmic outburst syndrome?

**Part 4** Website: <http://kidshealth.org/kid/talk/qa/hiccup.html>

5. What are hiccups and what can cause them?

**Part 5** Website: <http://www.childrenshospital.org/az/Site476/mainpageS476P1.html>

6. a. What would happen if your diaphragm were damaged (had a hole in it)? Congenital diaphragmatic hernia

b. What is Pulmonary hypoplasia?

7. How would this be detrimental to the rest of your body? EXPLAIN!

**Part 6** Website: <http://www.thefreeresource.com/the-epiglottis-and-how-it-helps-maintain-homeostasis>

8. How does the epiglottis work and what would happen if the epiglottis didn’t function properly?

**Part 7** Website: <http://yucky.discovery.com/noflash/body/pg000138.html>

9. Why do you need to breathe?

10. How many times do you breathe a minute? \_\_ \_\_\_\_\_\_

*SCROLL DOWN TO FACTOIDS.*

11. Your lungs contain almost \_\_\_\_\_\_\_ miles of airways and over 300 million \_\_\_\_\_.

12. Why do people get more colds in the winter?

**Part 8** Website: <http://www.kidshealth.org/kid/watch/house/smoking.html>

13. Fill In the blanks: Every single day nearly \_\_\_\_\_ kids between the ages \_\_\_\_\_\_ and \_\_\_\_\_\_ start smoking.

14. What are some signs that someone is a SMOKER? Identify at least 4 signs.

15. What is nicotine? Why do people become addicted to it?

16. How many people die each year from smoking?\_\_\_\_\_\_\_\_\_\_\_

**Part 9** Website: [http://kidshealth.org/teen/cancer\_center/q\_a/smoking.html#](http://kidshealth.org/teen/cancer_center/q_a/smoking.html)

17. What 5 things can smoking cause for a person?

18. People start smoking for a variety of different reasons. What are they?

19. Statistically, how many people started using tobacco before 18 years old? \_\_\_\_\_\_\_\_\_\_

20. What types of cancers can smoking cause?

21. Smoking is the cause \_\_\_\_\_ out of \_\_\_\_\_ deaths in the U.S.

22. What are other things that smoking can cause?

22. What are some of the consequences of smoking? List 6

23. What is a hookah? Are they safer than cigarettes?

24. What percent of high school students smoke? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Part 10** Website: <http://health.ucsd.edu/specialties/surgery/otolaryngology/nasal/types.htm>

26. What color of discharge is produced for allergies, and in cases of infection?

27. What is *vasomotor rhinitis?*

28. What is Chronic sinusitis and what are some of the symptoms?

**Part I1**  **FINAL CHECK!**

Using any websites you can find or your notes...Answer all of the following questions and label the diagram below.

1. Location where air is first warmed and moistened \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2. Tube leading into each lung. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

3. Tube leading from the nasal cavity to the lungs. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

4. Smaller tubes leading from the bronchi to alveoli. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

5. Muscle located under the lungs that allows the lungs to inflate and deflate.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

6. Sacs where gas exchange takes place. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

7. The voice box\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

8. Flap that covers the trachea to prevent liquids or food from entering the lungs. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

9. How many bronchial tubes branch off into the lungs? \_\_\_\_\_\_\_\_\_\_\_\_\_

10. Which organ CONTOLS your breathing? \_\_\_\_\_\_\_\_\_\_\_\_

11. What tube connects the bronchial tubes? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

12. The bronchi carry oxygen to the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_