

Name _____ Date _____ Period _____

Respiratory Review Sheet

1. What are the three functions of the respiratory system?
2. Explain the anatomy of the nasal cavity. Include external nares, septum, olfactory receptors, palate, and conchae. What is the function of each?
3. What are the four paranasal sinuses? What do the sinuses do?
4. What are the three regions of the pharynx? Which ones are common passageways for food and air? Through which one do the auditory tubes enter?
5. What are the three tonsils and describe their location.
6. What are the two functions of the larynx?
7. Which structure routes food away from the larynx down the esophagus and air down to the trachea?
8. What is the voice box? What is the glottis?

9. Where do primary bronchi enter the lung? Which bronchi is wider, shorter, and straighter?

10. Describe the lungs. Include the base, apex, hilus, left lung, right lung, and lobes. Why is the left smaller than the right?

11. Describe the coverings of the lungs. What purpose do they serve?

12. What are bronchioles? Where do they end? What happens there?

13. What three things make up the respiratory zone?

14. Describe the structure of the alvioli. Include surfactant, macrophage, alveolar pores, and capillaries.

15. What are the four events of respiration? Write a **brief** description of each.

16. Which process of respiration is completely mechanical? How do pressure and volume relate?

17. What are the two phases of pulmonary ventilation? What happens in each?

18. Describe how the diaphragm and intercostal muscles are used in breathing.

19. What prevents a lung from collapsing?

20. Explain five non respiratory air movements.

21. Define the following and be able to label the starred ones in a graph:

*Inspiratory reserve volume-

*Expiratory reserve volume-

*Tidal volume-

*Residual volume-

*Vital capacity-

Dead space volume-

22. What are the two healthy respiratory sounds? What do they sound like?

23. What happens to oxygen and carbon dioxide during external respiration?

24. How are oxygen and carbon dioxide transported in the blood?

25. What happens to oxygen and carbon dioxide during internal respiration?

26. How are the medulla oblongata and pons involved in respiration?

27. Define-

hyperpnea-

eupnea-

28. What are four physical factors influence respiration?

29. Explain how conscious control and emotional factors influence respiration.

30. Explain the chemical factors that influence respiration.

31. Give a **brief** description of the following:

COPD-

Emphysema-

Chronic bronchitis-

lung cancer-

Asthma-