

## Human Physiology

### CH 13 The Respiratory System Worksheet

Student Name:	
Teacher Name:	
Class Name/Subject:	
Period:	
Assignment Week #:	

d:

**Directions:** Either print this form and hand write your answers or write complete sentences to answer the questions on binder paper.

#### A Closer Look (pg 442)

1. What does lung cancer account for?
2. In the 1960s, smoking was considered socially desirable and even romantic, what are the side effects of smoking?
3. Long-term smoking contributes to what?
4. What are the three most common types of lung cancer?
5. What is the most effective treatment for lung cancer?

#### Focus on Careers (pg 447)

6. How is the original term “practical nurse” described?
7. Where does licensed practical nurse (LPNs) provide care for patients?
8. What do narcotics do to the digestive process of a patient?
9. After graduating from training, a LPN must pass what kind of licensing?
10. For more information about licensed practical nurse and testing requirements, what is the contact information provided?

#### Case Studies

11. (p 441) Why doesn't Mom have to worry when 3-year-old Johnny threatens to “hold his breath till he dies”?
12. (p 446) Alvin, a smoker, sees his doctor because he has a persistent cough and becomes short of breath after very little exertion. He has a barrel chest and a red face and explains that it is difficult for him to exhale but not to inhale. What diagnosis will the doctor make?
13. (p 429) Mr. Rasputin bumped a bee's nest while making repairs on his roof. Not surprisingly, he was promptly stung several times. Since he knew he was allergic to bee stings, he rushed to the hospital. While waiting, he went into a state of shock and had extreme difficulty breathing. Examination showed his larynx to be edematous, and a tracheostomy was performed. Why is edema of the larynx likely to obstruct the airway? What is a tracheostomy, and what purpose does it serve?
14. (p 438-439) Aspirin is an acidic substance. Describe the pathway by which an aspirin overdose causes an increase in respiratory rate and explain how this increase would be helpful to the victim.
15. (p 436) Nine-year-old Jerry stumbled into the drug store gasping for breath. Blood was oozing from a small hole in his chest wall. When the paramedics arrived they said that Jerry had suffered a pneumothorax and atelectasis. Just what do both of these terms mean, and how do you explain his respiratory distress. How will it be treated?