

Health Sciences 1111
Module 13 Respiratory System
Lab 13

- As you view the film "**Dan's Story: Breathless**" answer the questions on your worksheet.

Interactive Physiology

- Open Internet Explorer
- Go to the Health Sciences Website
- Click on the Interactive Physiology Link
 - Login: biomedcorelab
 - Password: waldo
- Click on the **Respiratory** Link
- Do ALL 5 sections
- Take the quiz at the end of each section
- Exit Interactive Physiology

Anatlab

- On campus students: Double-click on the Anatlab icon
- Online/Ind Study Students: Insert the Anatlab CD
- Click on the Abdomen and Thorax
- View the **Thorax**
- Answer the question on the computer as they appear in the material
- Answer the quiz questions at the end of the material

Answer the following questions as you view the video " Dan's Story: Breathless"

1. In 1983 Dan began to suffer from what?
2. Dan has been diagnosed and is being treated for what disease?
3. Is emphysema a reversible/curable disease?
4. What therapy is being used to treat Dan's symptoms?
5. Dan's emphysema was diagnosed and confirmed using two methods. What were they?
6. Emphysema affects what lobes of the lung?
7. In the video, emphysema is described as:
8. What does the surgery do for Dan?
9. Why does Dan qualify for this type of surgery when others can't?
10. Three incisions are made on each side of the chest. Where are they placed?
11. What did the doctor do to the damaged part of the lung before removing it?
12. The doctor uses a special tool to cut and seal the lung tissue. He also uses another tool to take out the diseased portion from the chest cavity. What are they?
13. How much of the lower lobe of the right lung is removed?
14. Three weeks after surgery, what is Dan hospitalized for?

Graphics for Exam 13

23.1

23.2 a, b, c

23.3 c

23.4 a, b, c

23.9 a, b

23.14 a, b, c, d

23.27

Answer the following questions as you view the video " Dan's Story: Breathless"

1. In 1983 Dan began to suffer from what?
CHRONIC BRONCHIAL INFECTIONS
2. Dan has been diagnosed and is being treated for what disease?
EMPHYSEMA
3. Is emphysema a reversible/curable disease?
NO
4. What therapy is being used to treat Dan's symptoms?
REHAB AND MEDICATION
5. Dan's emphysema was diagnosed and confirmed using two methods. What were they?
CHEST X-RAY AND CT SCAN
6. Emphysema affects what lobes of the lung?
THE LOWER LEFT AND RIGHT LOBES OF HIS LUNGS
7. In the video, emphysema is described as:
THE GRADUAL DEGENERATION OF THE LUNG TISSUE
8. What does the surgery do for Dan?
THIS SURGERY INCREASES THE VOLUME SPACE BY REMOVING THE DAMAGED LUNG TISSUE THAT IS OVER INFLATED REDUCING THE VOLUME BEING TAKEN INTO THE HEALTHY LUNG TISSUE
9. Why does Dan qualify for this type of surgery when others can't?
THE UPPER RESPIRATORY LOBES OF HIS LUNGS ARE RELATIVELY HEALTHY
10. Three incisions are made on each side of the chest. Where are they placed?
TWO ARE BETWEEN VARIOUS RIBS AND THE THIRD IS PLACED RIGHT BELOW THE RIB CAGE

11. What did the doctor do to the damaged part of the lung before removing it?
HE PUNCTURED THE TISSUE TO DEFLATE IT
12. The doctor uses a special tool to cut and seal the lung tissue. He also uses another tool to take out the diseased portion from the chest cavity. What are they?
STAPLING GUN; RING FORCEPS
13. How much of the lower lobe of the right lung is removed?
ALL OF IT
14. Three weeks after surgery, what is Dan hospitalized for?
PNEUMONIA INFECTION