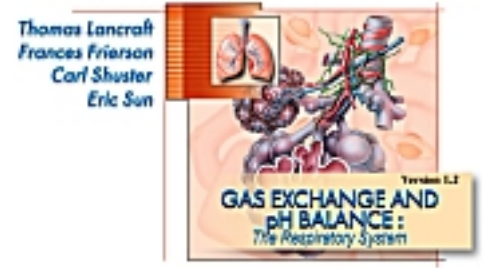


Pulmonary Ventilation

Directions:

- a. Click the "Contents" button,
- b. Open the *Respiratory System* File,
- c. Click *Animations*,
- d. Click *Pulmonary Ventilation*



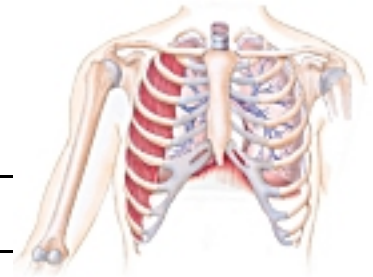
Introduction

1. Define the following:

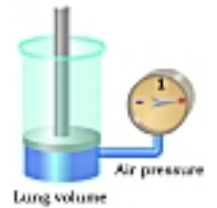
ventilation _____

inspiration _____

expiration _____



2. Describe how lung volume affects pressure and therefore air movement.

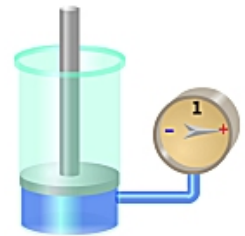


Pressure Volume Relationships

3. Explain what happens to pressure in each of the following situations.

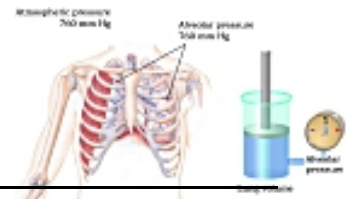
Increasing Volume _____

Decreasing Volume _____



Normal Inspiration

4. Describe and explain alveolar pressure change as the diaphragm flattens and the intercostals muscles contract.



5. a. Why is expiration referred to as a "passive" process? _____

- b. Describe and explain alveolar pressure change as the muscles relax and the lungs recoil. _____
