Thorax and Lungs

Reference lines
- Midsternal line
- Midclavicular line
- Scapular line
- Vertebral line
- Axillary lines:
  - anterior
  - posterior
  - midaxillary

*apex of lung- located above the clavicle
* what is true about the left lung- it consists of two lobes

- Mediastinum- middle of thoracic cavity
- Pleural cavity- lungs located within the pleural cavities
- Pleurae- protects the lungs

4 major functions of the respiratory system
- Supplying oxygen to the body for energy production
- Removing carbon dioxide as a waste product
- Maintaining homeostasis (acid-base balance)
- Maintaining heat exchange (less valuable for humans)

*normal stimulus to breathe- hypercapnia
  - main stimulus for breathing

- Inspiration, expiration, control of respiration
- Hyperventilation- rapid, short breaths
- Hypoventilation- rapid, deep breathing
- Apnea- cannot breathe

Subjective data
- Cough
- Shortness of breath
- Chest pain w/out breathing
- History of respiratory infection
- Smoking history
- Environmental issues
- Self- care behaviors

Pack years= number of packs smoked a day x for how many years