

Dec 12, 2019

1) Respiratory Diseases

Warm-Up

In 2007 there were  deaths in Canada caused by influenza and pneumonia

Quiz tomorrow on Respiratory System!!!

Respiratory Diseases

1. Pneumonia



- one of the most common respiratory diseases
- it is an inflammation of the lungs usually caused by bacteria but can be viral as well
- the "germ" invades the lungs and causes fluid to build up in the alveoli.
- This prevents the exchange of oxygen and carbon dioxide between the alveoli and the capillaries and the cells of the body do not get enough oxygen.

Pneumonia Symptoms

- fever
- chills
- fatigue
- coughing
- tightness in chest while breathing

Treatment

medications and oxygen

2. Bronchitis



- if particles in the air are not filtered properly they can enter the bronchioles and cause bronchitis.
- the particles cause the bronchioles to become inflamed.

Symptoms

- bad lasting cough
- difficulty breathing

Treatment

- medicine which will open the bronchioles

Normal bronchi



Bronchitis



ADAM

3. Asthma



- also caused by particles trapped in the bronchioles
- these particles cause the muscular walls of the bronchioles to contract and become narrow
- can be caused by various allergens (dust, dirt, smoke, pollen, pet dander etc), strenuous activity, stress etc

Symptoms

- difficulty breathing
- wheezing
- chest tightness

Treatment

- puffers which contain medication that relaxes the bronchioles