Respiration: Essay Questions

1) Explain the roles of mucus and cilia in the respiratory system.

2) List the three regions of the pharynx and identify their relative superior and inferior endpoints

3) What structures does a molecule of oxygen encounter on its way to the alveoli of the lungs from the nose? Trace the pathway.

4) Identify the two pleural membranes and describe them under normal and disease conditions.

5) Explain the structure and function of the respiratory membrane.

6) Describe the changes in pressure and volume that lead to inspiration.

7) Describe how oxygen and carbon dioxide are transported in the blood.

8) Five-year-old Charlie is angry he can't continue to play so he holds his breath. His carbon dioxide levels continue to climb and his parents are concerned what will happen to him. Predict how the respiratory system handles the rising carbon dioxide levels.