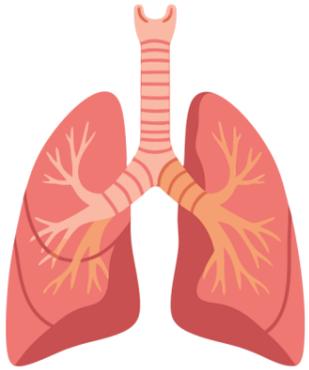


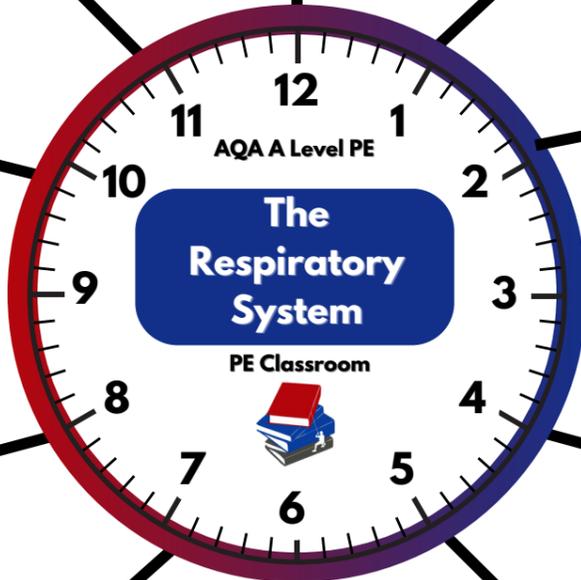
**Structure of the Respiratory System**



**Mechanics of Breathing at Rest**

**Mechanics of Breathing During Exercise**

**Gas Exchange/Diffusion**



**Partial Pressures of O<sub>2</sub> & CO<sub>2</sub> at Lungs & Muscle Tissue**

**Effects of an Unhealthy Lifestyle**

**Lung Volumes/Spirometer**

**Venous Return Mechanisms**

**Neural & Chemical Regulation of Pulmonary Ventilation**

**Lung Volumes - Response to Exercise**