

Respiration

The Need for a Respiratory System Section 10.1

- Know all key terms
- Know the formula for cellular respiration and why it is important.
- Know how gas exchange and ventilation is completed
- Answer 1-5 on page 439

Respiratory Structures and Processes Section 10.2

- Know all key terms
- Know the 4 important structural features that allow it to function properly
- Be able to list and describe the structure and function of all key components of the respiratory tract (upper and lower)
 - ↳ How does the specific structure support its' function?
- Be able to explain gas exchange and how blood transports gases
- Be able to explain the mechanisms of ventilation
- Know what the lung capacity is and the terms associated with it.
- Understand how oxygen is used
- Know how fish use their gills to obtain oxygen from the water
- Answer 1,3,4,5,7-11 on page 446

Transport and Diffusion of Gases Section 10.3

- Know all key terms
- Understand how partial pressures work and how altitude effects them
- Understand how breathing is controlled and how oxygen and carbon dioxide levels are maintained.
- Answer 1-6 on page 451

Respiratory System Disorders Section 10.4

- Know all key terms
- Know the different types of disorders associated with the respiratory system, their causes, treatments and how they are diagnosed.
- Answer 1-3, 5-7 on page 458

Lung Transplants and Other Technologies 10.5

- Know all key terms
- Understand how a lung transplant and related technologies work
- Answer 1-4 on page 462.