

Name _____

Breathing Easy: Exploring the Marvelous Human Respiratory System

Open-Ended Response Answer Key

1. In this imaginative journey, describe the path from the nose or mouth, through the trachea, bronchi, and bronchioles, and finally to the alveoli, highlighting key functions and transformations.
2. The presence of cilia and mucus in the nose is important because they help trap tiny particles like dust and germs, preventing them from reaching the lungs. This protects our respiratory system from potential harm and infections.
3. Compare and contrast the functions of the bronchi and bronchioles in terms of their size, location, and roles in the respiratory system.
4. Explain the crucial role of gas exchange in the alveoli, how it ensures oxygen reaches our cells, and why this process is vital for our overall health.

