



## Quiz Answer Key

1. Without this gas, the body's cells would die:
  - a) Carbon dioxide
  - b) Hydrogen
  - c) Nitrogen
  - d) Oxygen
2. Tiny hairs called cilia protect the nasal passageways and other parts of the respiratory tract, filtering out dust and other particles that enter the nose with the breathed air.
3. True or false: The two openings of the airway (the nasal cavity and the mouth) meet at the **larynx**, or throat, at the back of the nose and mouth.
4. True or false: The **pharynx**, or voice box, is the uppermost part of the air-only passage. This short tube contains a pair of vocal cords, which vibrate to make sounds.
5. Air enters the lungs through these parts of the respiratory system, in this order:
  - a) Alveoli, bronchi, bronchioles
  - b) Alveoli, bronchioles, bronchi
  - c) Bronchi, bronchioles, alveoli
  - d) Bronchioles, alveoli, bronchi
6. Name two ways to prevent many chronic lung and respiratory illnesses:  
Any two of the following: don't smoke, try to stay away from pollutants and irritants, wash your hands often to avoid infection, and get regular medical checkups.
7. The trachea, or windpipe, extends downward from the base of the larynx.  
It lies partly in the neck and partly in the chest cavity, and at its bottom end, it divides into left and right air tubes called bronchi, which connect to the lungs.
8. Oxygen moves from alveoli to the blood through these tiny blood vessels that line the alveolar walls:
  - a) Chromosomes
  - b) Capillaries
  - c) Capybaras
  - d) Cilia
9. and 10. At the bottom of the pharynx, the pathway for both food and air divides in two.  
One passageway is for food (the esophagus, which leads to the stomach) and the other is for air.  
The epiglottis, a small flap of tissue, covers the air-only passage when we swallow, keeping food and liquid from going into our lungs.