

MULTIPLE CHOICE

Choose the correct answer from the following choices:

1. The process of gaseous exchange involves;

- Breakdown of C-H bonds to yield energy
- Physical movements that take air in and out of body
- Getting oxygen from the air and removing carbon dioxide
- Transport of oxygen by the blood to different parts of the body

2. Most of the gaseous exchange in a leaf occurs through;

- Stomata
- General surface
- Cuticle
- Lenticels

3. How many bronchi are there in the air passageway?

- One
- Two
- Many
- None

4. Where does the gaseous exchange occur in humans?

- Pharynx
- Trachea
- Bronchi
- Alveoli

5. Which structure actively helps in taking the air out of lungs?

- Nasal cavity
- Bronchus
- Bronchiole
- Diaphragm

6. The primary chemical stimulus for breathing is the concentration of;

Carbon dioxide in blood
Oxygen in blood
Carbon dioxide in muscles
Oxygen in muscles

7. Point out the FALSE statement about respiration;

AGases can easily pass through the walls of the alveoli
Gas exchange in lungs is very efficient because lungs provide large surface area
In emphysema the walls of alveoli break and there is more surface area
Dust particles can damage the lung by irritating the inner alveoli surface

8. A disease involving the breakdown of air sacs of the lungs is;

Pneumonia
Bronchitis
Asthma
Emphysema

9. Which process does NOT occur in the nasal cavity?

Trapping of large dust particles
Humidification of the inhaled air
Warming of the inhaled air
Exchange of gases

10. What type of blood vessels surrounds the alveoli?

Artery
Arteriole
Capillary
Vein