

Chapter – 14 | Breathing and Exchange of Gases

QUIZ
PART-03

1. Human lungs are covered by —

- A. Pericardium
- B. Bilayered pleura
- C. Mucous cartilage only
- D. Epidermis (B)

Explanation : Lungs are covered by parietal and visceral pleura.

2. The outer pleural membrane is called —

- A. Visceral pleura
- B. Parietal pleura
- C. Alveolar duct
- D. Bronchiole (B)

Explanation : Parietal pleura is the outer pleural membrane close to the thoracic wall.

3. The inner pleural membrane in contact with lung surface is —

- A. Visceral pleura
- B. Nasal septum
- C. Epiglottis
- D. Tracheal ring (A)

Explanation : Visceral pleura directly covers the lung surface.

4. Pleural cavity is filled with —

- A. Blood
- B. Air only
- C. Pleural fluid
- D. Mucus only (C)

Explanation : Pleural fluid reduces friction during breathing movements.

5. Thoracic cavity is bounded posteriorly by —

- A. Sternum
- B. Diaphragm
- C. Ribs
- D. Nasal cavity (B)

Explanation : The dome-shaped diaphragm forms the posterior boundary of thoracic cavity.

6. After entering lungs, bronchi divide into thin branches called —

- A. Bronchioles
- B. Nasal chambers
- C. Vocal cords
- D. Pleura (A)

Explanation : Bronchi repeatedly divide into bronchioles.

7. Respiratory bronchioles divide into —

- A. Pharynx
- B. Larynx
- C. Alveolar ducts
- D. Nasal pores (C)

Explanation : Alveolar ducts lead to alveoli where exchange occurs.

8. The lungs are formed by a branched network of —

- A. Bronchi, bronchioles and alveoli
- B. Only cartilage rings
- C. Only blood vessels
- D. Nose and pharynx (A)

Explanation : These form the respiratory network inside lungs.

9. The conducting part extends from external nostrils to —

- A. Terminal bronchioles
- B. Alveoli only
- C. Pleural cavity
- D. Diaphragm (A)

Explanation : Conducting part carries air up to terminal bronchioles.

10. The respiratory or exchange part includes —

- A. Nose and pharynx
- B. Trachea and bronchi
- C. Larynx only
- D. Alveoli and alveolar ducts (D)

Explanation : These parts perform gaseous exchange.