

## 7.2 – Respiratory System

1. Which of the following is the correct order of steps of the process of exhaling?

- I. Air pressure increases in the lungs
  - II. The diaphragm relaxes
  - III. The lungs get smaller
  - IV. Waste gases move out the lungs
- A. I, II, III, IV
  - B. II, III, I, IV
  - C. III, IV, II, I
  - D. IV, I, II, III

2. Which of the following is surrounded by capillaries for gas exchange?

- A. Alveoli
- B. Bronchi
- C. Diaphragm
- D. Trachea

3. Which of the following is true about inhalation? Select all that applies.

- A. The diaphragm moves up
- B. The diaphragm contracts
- C. The chest cavity expands
- D. It is the act of releasing air from the body

4. Which of the following is true about exhalation? Select all that applies.

- A. The diaphragm moves up
- B. The chest cavity reduces its size
- C. The lungs get filled with air
- D. It is the act of taking air into the lungs

5. Which of the following is a function of the respiratory system? Select all that applies.

- A. Digestion of food.
- B. Releases carbon dioxide and water
- C. Allows oxygen gas to enter the body.
- D. Defends the body against harmful substances.

6. Which of the following disorders occurs when respiratory pathways become irritated and bronchioles contract?

- A. Asthma
- B. Bronchitis
- C. Lung cancer
- D. Pulmonary tuberculosis

7. Which of the following disorders occurs when infection of the lungs causes the alveoli to collect mucous material?

- A. Asthma
- B. Bronchitis
- C. Pneumonia
- D. Emphysema

8. Which of the following disorders occurs when uncontrolled cell growth in lung tissue and can eventually lead to death?

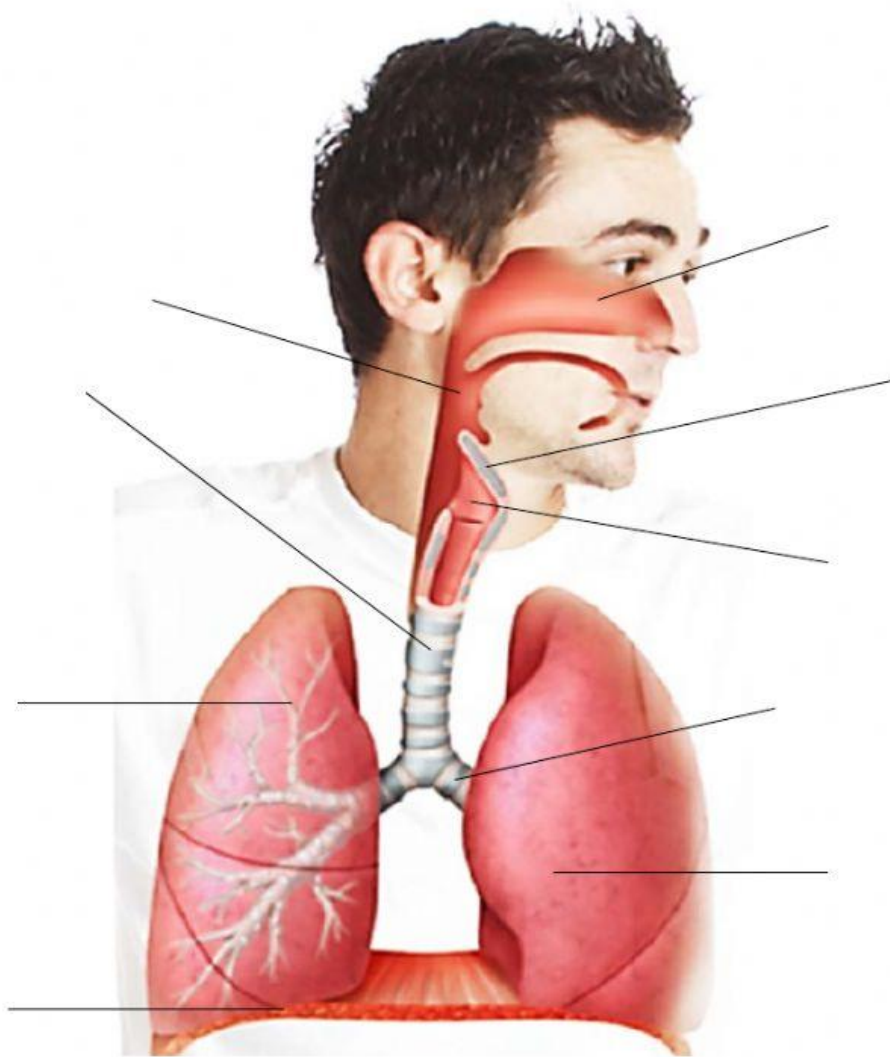
- A. Pneumonia
- B. Emphysema
- C. Lung cancer
- D. Pulmonary tuberculosis

9. Choose from the list below the correct term that matches the description in the table.

|      |        |        |           |         |           |
|------|--------|--------|-----------|---------|-----------|
| Lung | Asthma | Larynx | Diaphragm | Trachea | Emphysema |
|------|--------|--------|-----------|---------|-----------|

| Description                                                                                                                    | Term |
|--------------------------------------------------------------------------------------------------------------------------------|------|
| Coughing, tiredness, loss of appetite, and weight loss resulting from destruction of alveoli in the lung and caused by smoking |      |
| The main part of the respiratory system where gas exchange occurs with blood                                                   |      |
| The part of the respiratory system that contains the vocal cords and creates the human voice                                   |      |
| The part of the respiratory system where air moves toward the bronchi                                                          |      |
| Trouble breathing as a result of swollen air-ways and increased mucus caused by dust, smoke, pollen, and pollution             |      |

10. Complete the following table.



|              |            |
|--------------|------------|
| Nasal cavity | Trachea    |
| Pharynx      | Diaphragm  |
| Bronchus     | Lungs      |
| Larynx       | Bronchiole |
| Epiglottis   |            |