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LEARNING CENTRE

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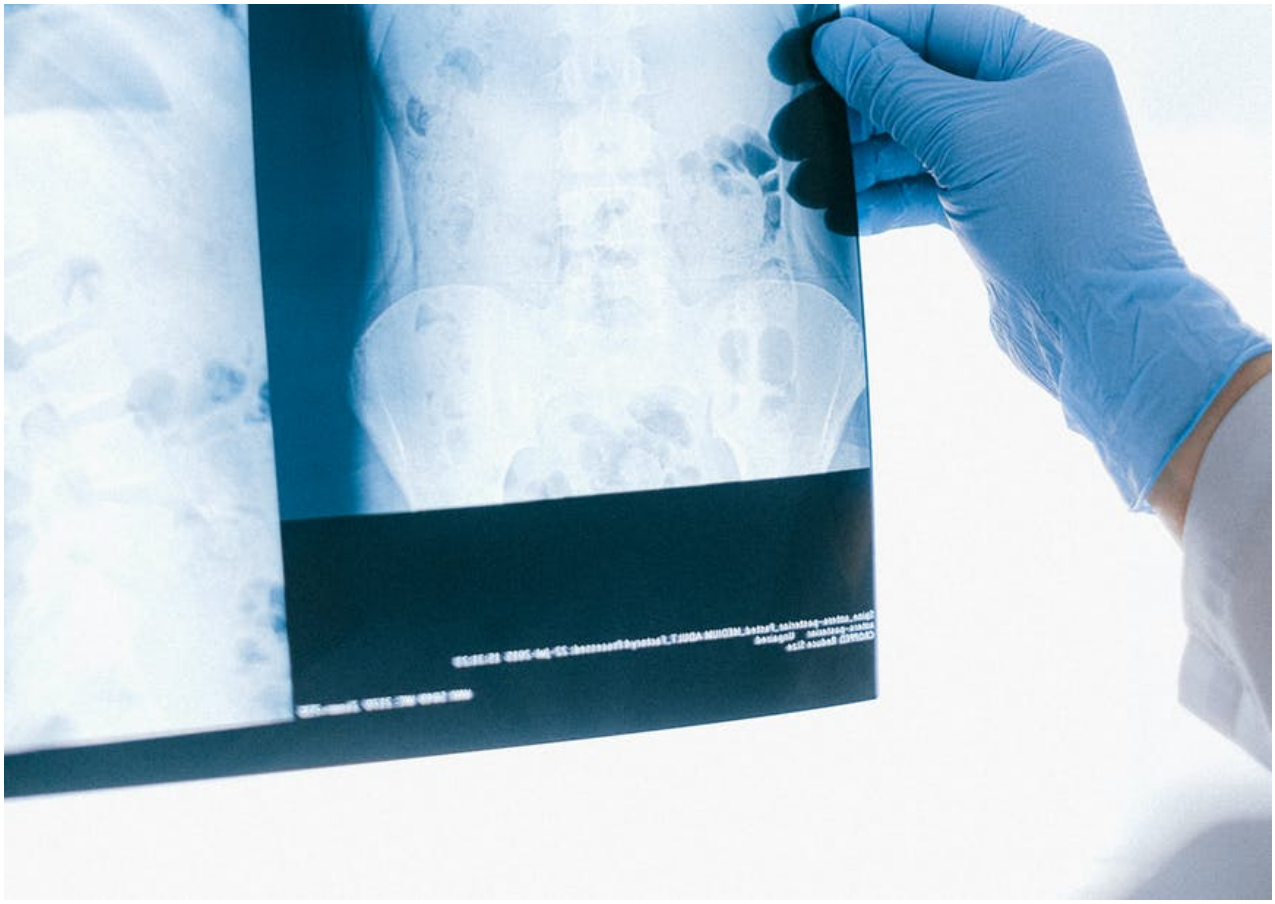
Human Physiology (Breathing & Exchange Of Gases)



Q.1: The respiration through lungs is known as _____ respiration.

a) branchial

b) pulmonary

c) cutaneous

Q.2: _____ reduces friction on the lung surface during the respiratory movements.

a) pericardial fluid

b) tissue fluid

c) pleural fluid

Q.3: While _____, the pressure within the lungs is less than the atmospheric pressure.

a) inspiration

b) expiration

c) none

Q.4: The volume of air involved in breathing movements can be estimated using a _____, which helps in clinical assessment of pulmonary functions.

a) spirometer

b) RMMI

c) manometer

Q.5: The amount of additional volume of air, a person can inspire by a forcible inspiration is known as _____.

a) Residual Volume

b) Expiratory Reserve Volume

c) Inspiratory Reserve Volume

Q.6: Volume of air that remains in lungs after a normal expiration is known as _____.

a) Residual Volume

b) Functional Residual Capacity

c) Expiratory Capacity

Q.7: About _____ % of oxygen is transported by RBCs in the blood.

a) 93

b) 97

c) 98

Q.8: Each haemoglobin molecule can carry a maximum of _____ molecules of oxygen.

a) 3

b) 4

c) 5

Q.9: Every 100 ml of oxygenated blood can deliver around _____ ml of oxygen to the tissues under the normal physiological conditions.

a) 5

b) 10

c) 20

Q.10: On which of the following factors does the rate of diffusion depend ?

i) partial pressure gradients of O_2 (pO_2) and CO_2 (pCO_2)

ii) thickness of the diffusion surface

iii) rate of metabolism

a) i and ii

b) ii and iii

c) i and iii

Answers:

1. b
2. c
3. a
4. a
5. c
6. b
7. b

8. b
9. a
10. a

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In the midst of winter, i found there was within me an invincible summer ~ Albert Camus **View more posts**