

# RS- Physiology

Archive

Lecture 1

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1-To increase the thoracic cavity and keep intrapleural pressure negative, all are correct EXCEPT ?

- A- Elasticity of the lung
- B- Surface tension
- C- Elasticity of the chest wall
- D- Lymphatic drainage
- E- Gravity

Answer: E

2-The cause of the negativity of the intrapleural pressure is?

- A) The pressure inside the alveoli during the respiratory cycle
- B) Dynamic harmonious antagonism between the chest wall and the lung
- C) Two different forces between the parietal layer which lines the thorax and visceral layer which covers the lungs

Answer: B

3-All the following factors would affect the intrapleural pressure EXCEPT?

- a) Elasticity of the chest wall
- b) Airways generation
- c) Lymphatic drainage

Answer: B

Correct about dead space

- a- equal body weight in kg
- b- Alveolar Dead Space always pathological
- C-Cause of negative intrapleural pressure:

Answer: B

Alveolar space is :

Answer: - the space that undergoes exchange between  $O_2$  and  $CO_2$

In a healthy individual with no ventilation-perfusion mismatch, which of the following statements is correct?

- A) Anatomical dead space is greater than physiological dead space
- B) Physiological dead space is greater than anatomical dead space
- C) Anatomical dead space = physiological dead space
- D) Both dead spaces are negligible
- E) Dead spaces vary with tidal volume



Answer: c