

India's Number 1 Education App

## **BIOLOGY**

## **BOOKS - PSEB**

## **BREATHING AND EXCHANGE OF GASES**



1. Distinguish between: Vital capacity and Total

lung capacity.



**2.** State the volume of air remaining in the lungs after a normal breathing.



**3.** Diffusion of gases occurs in the alveolar region only and not in the other parts of respiratory system. Why?

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4. What are the major transport mechanisms

for  $CO_2$ ? Explain.



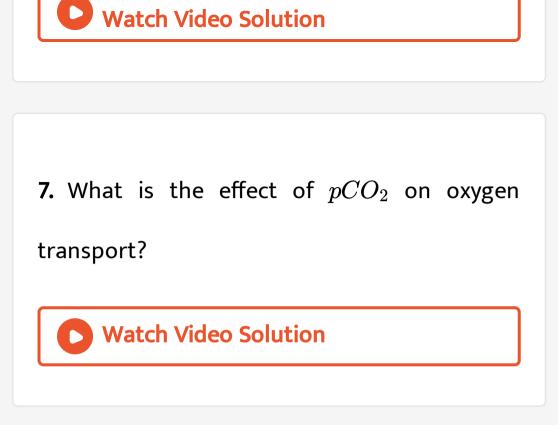
5. Explain the process of inspiration under

normal conditions.

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6. How is respiration regulated?





8. What happens to the respiratory process in

a man going up a hill?

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9. What is the site of gaseous exchange in an

insect?

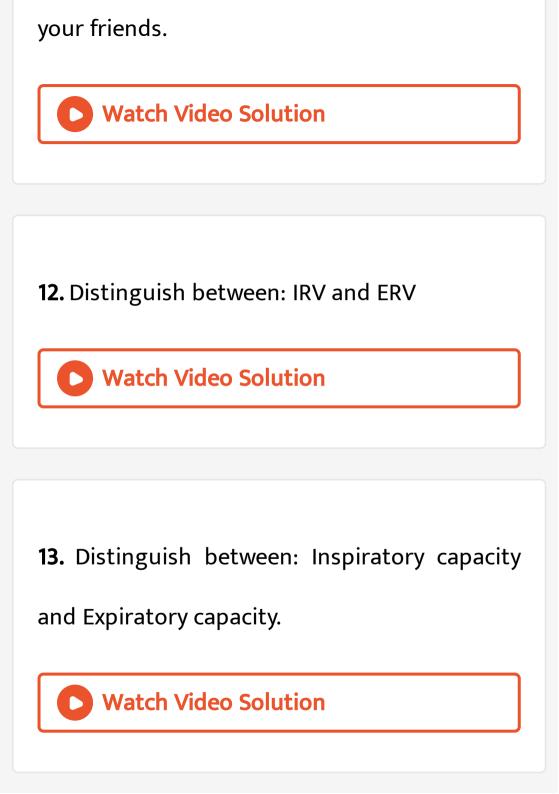


10. Define oxygen dissociation curve. Can you

suggest any reason for its sigmoidal pattern?

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**11.** Have you heard about hypoxia? Try to gather information about it, and discuss with



**14.** Distinguish between: Vital capacity and Total lung capacity.

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**15.** What isTidal volume? Find out theTidal volume (approximate value) for a healthy human in an hour.

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