



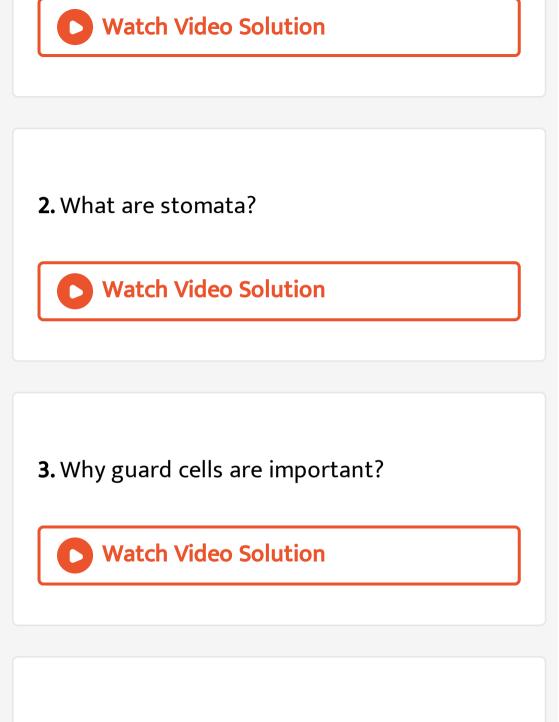
BIOLOGY

BOOKS - PEARSON IIT JEE FOUNDATION

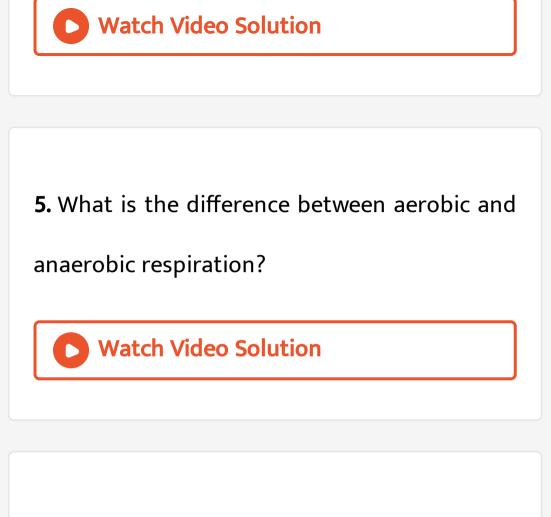
RESPIRATION IN PLANTS AND ANIMALS

Quick Recap

1. What is respiration?



4. What are Pneumatophores ?



6. How do lower organisms like yeast respire?



7. What is the mechanism of respiration seen

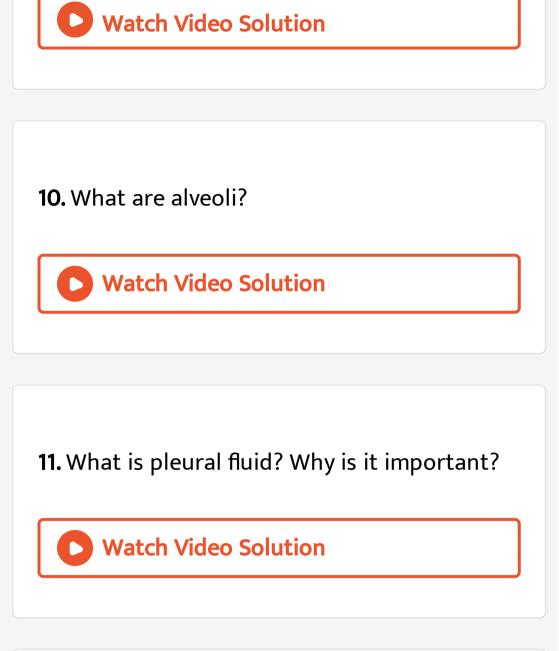
in aquatic animals?

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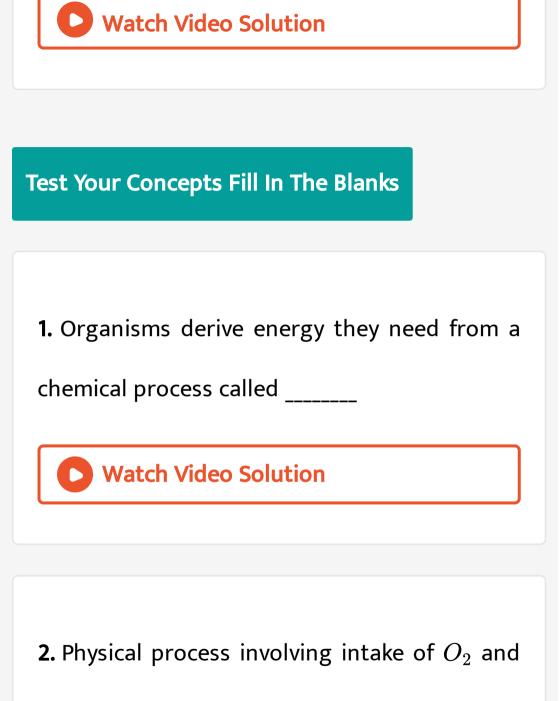
8. What is cutaneous respiration? Give example.



9. What is trachea?

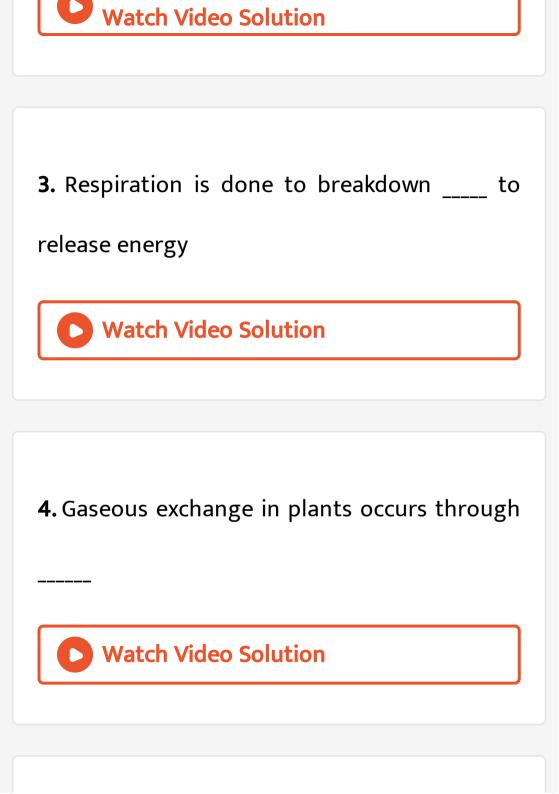


12. What is a diaphragm?



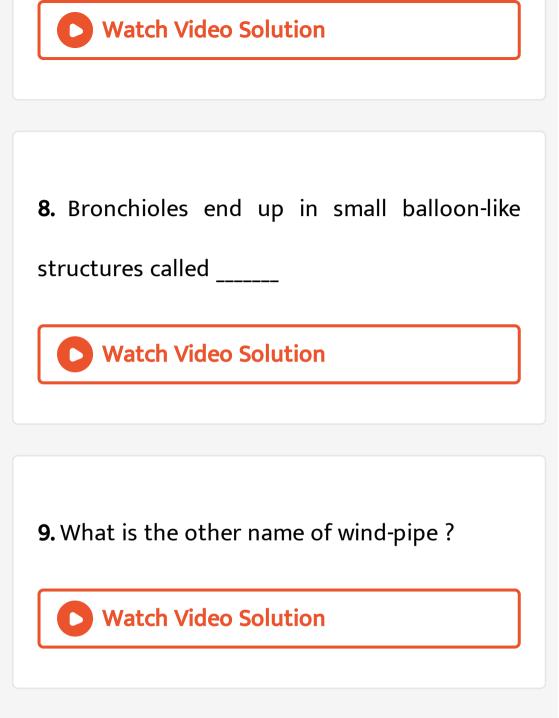
release of CO_2 is _____





5. Stoma is surrounded by two cells called
that help in closing and opening of
stoma.
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6. is a common passage for both digestive and respiratory systems.
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7. Respiratory pigment in human being is _____





11. The process of release of carbon dioxide

out of the lungs is called ____





1. Oxygen taken in during respiration is used to break down _____ produced as a result of photosynthesis.

A. glucose

B. protein

C. fats

D. vitamin

Answer: A

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2. Respiration is a ____ process, whereas

breathing is ____process.

A. physical, chemical

B. chemical, physical

C. physical, physical

D. chemical, chemical

Answer: B

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3. Respiration in plants occurs during

A. day

B. night

C. Neither (a) nor (b)

D. day and night

Answer: D

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4. Guard cells help in _____ of stomata.

A. opening

B. closing

C. Both opening and closing

D. None of these

Answer: C

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5. Which is correct for pneumatophores?

(i) Breathing roots

(ii) Roots of mangroves

(iii) Gives support to the plant

(iv) Facilitate aeration

A. (i),(ii),(iii)

B. (i),(ii),(iv)

C. (ii),(iii),(iv)

D. All are true

Answer: B

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6. Assertion (A): Guard cells regulate the rate of transpiration in plants.

Reason (R): They are found enclosing the opening through which transpiration takes place.

A. Both Assertion and Reason are true andReason is the correct explanation forAssertion.B. Both Assertion and Reason are true, and

Reason is the not the correct

explanation for Assertion.

C. Assertion is true and Reason is false.

D. Assertion is false and Reason is true.

Answer: A

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7. Opening of pharynx into respiratory system

called _____

A. glottis

B. gullet

C. bronchus

D. alveoli

Answer: A

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8. _____ protects lungs.

A. Pleural membrane

B. Pleural fluid

C. Both (a) and (b)

D. Neither (a) nor (b)

Answer: C



9. Cutaneous respiration is seen in _____

A. frog

B. fish

C. human

D. mangroves

Answer: A

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10. During inspiration,

A. Ribs are lifted up and diaphragm is

flattened

B. Ribs are flattened and diaphragm is

lifted up

C. Both ribs and diaphragm are lifted up

D. Both ribs and diaphragm are flattened

Answer: A



11. Haemoglobin is a/an ____ containing

respiratory pigment

A. iron

B. copper

C. zinc

D. iodine

Answer: A



12. Which one of the following respires only

through skin?

A. Fish

B. Frog

C. Earthworm

D. Human

Answer: C



13. Gaseous exchange takes place at _____

A. alveoli

B. bronchi

C. bronchioles

D. trachea

Answer: A

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14. Which one of the following is a wrong statement?

A. Pleural fluid protects the lungs from shock.

B. Lungs are covered by single membrane.

C. Air exchange takes place at alveoli.

D. Pharynx is common for both respiratory

system and digestive system.

Answer: B

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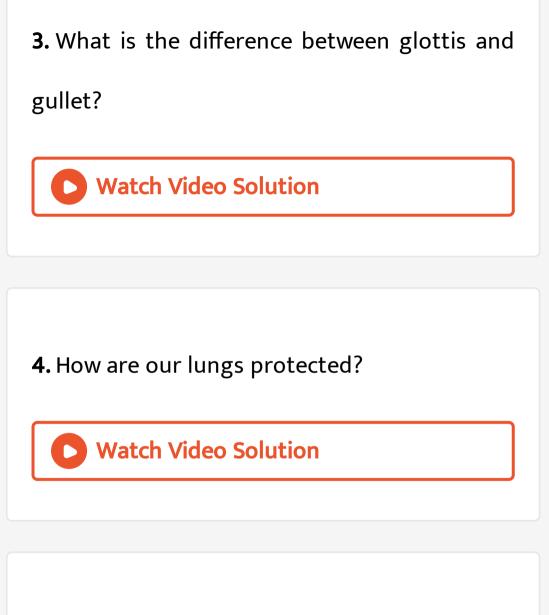
Mastering The Concepts Knowledge And Understanding 1. Write the difference between breathing and

respiration.

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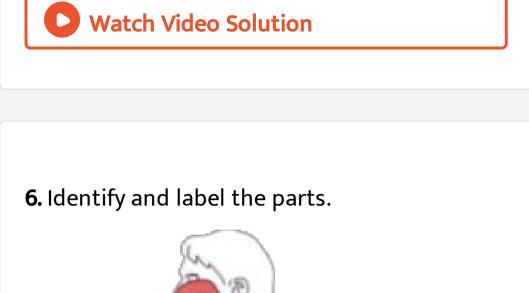
2. What is the importance of respiration in plants?

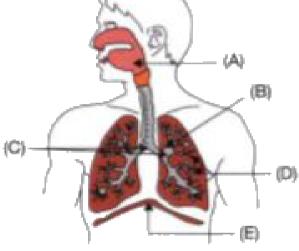




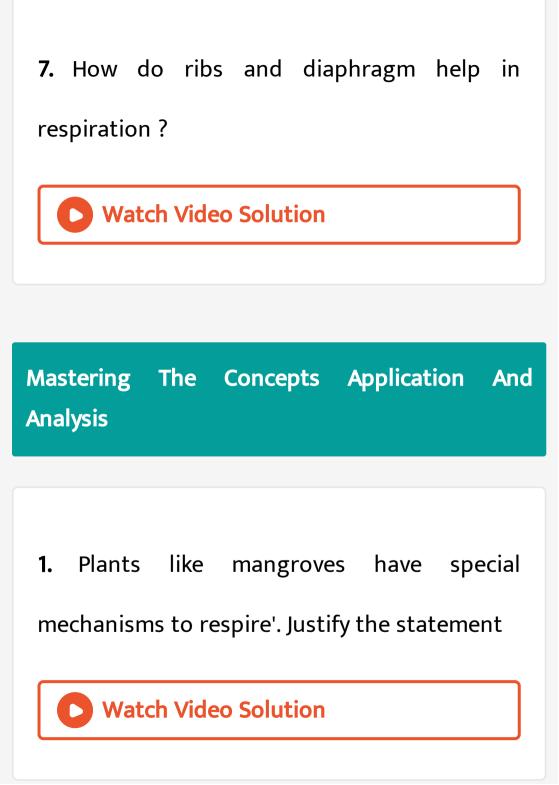
5. Which is the respiratory pigment in human

beings? State its function.

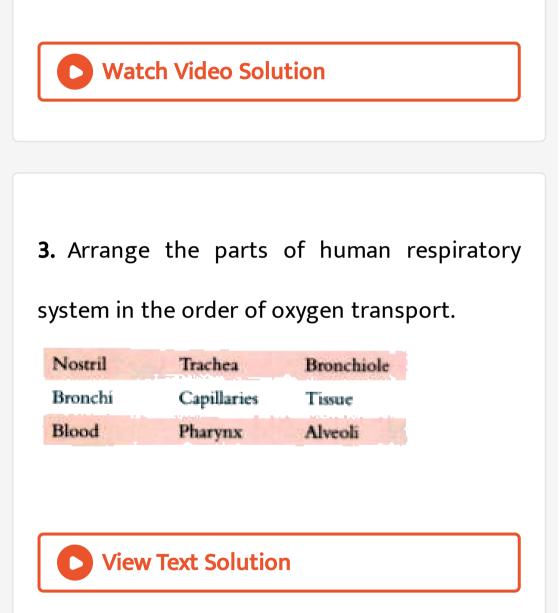




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2. Explain the process of respiration.



4. After finishing a race an athlete breathes

faster and deeper than normal. Why?



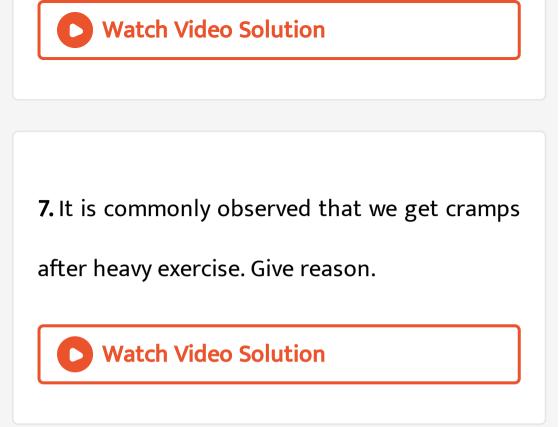
5. Do plants also breathe in oxygen? If yes,

how?

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6. When we inhale too much of dust-laden air,

we sneeze. Explain, why?



8. It is observed that mountaineers carry

oxygen at high altitudes. Give reason

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