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Homework

1ans) ⇒ The terrestial organism gets more oxygen as they get oxygen from the atmosphere which has ~~or~~ hight amount of oxygen, but the quantity of O_2 is less in ~~water~~.

2ans) Glucose is oxidised in 2 ways →

(1) In Presense of oxygen ⇒ $C_6H_{12}O_6 + 6O_2 \longrightarrow 6H_2O + 6CO_2 + 38ATP$

(2) In Absence of oxygen ⇒ $C_6H_{12}O_6 \rightarrow 2(\text{Lactic acid}) + 2ATP$

$C_6H_{12}O_6 \rightarrow 2C_2H_5OH + 2CO_2 + 2ATP$

3ans) O_2 and CO_2 in body is transponted by anteries, veins and capillanies with the help of RBC in blood which cannies them inside the vessels to diff parts of body.

4ans) The lungs designed to maximise the absonption ~~&~~ excretion of air because of large surface area of the infinite no of alveoli in each ~~lung~~ lungs. So alveoli in lungs helps to increase the exchange of gases.

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8) Diff between Aerobic and anaerobic respination? Give 4 points with an example?

ans:

Aerobic Respination	Anaerobic Respiratio
⇒ O_2 is required for aerobic respination.	⇒ O_2 isn't needed for anaerobic respination.
⇒ Complete oxidation of Glucose.	⇒ Partial oxidation of Glucose.
⇒ Occurs in mitochondria and cytoplasm	⇒ Occur is cytoplasm
⇒ End products are CO_2 & H_2O	⇒ End Products in → Fungi: Ethyl alcohol, CO_2, H_2O, 2ATP; Human: Lactic acid, ATP.
⇒ In Human, dogs	⇒ In Fungi, Yeast.