Practical No. 12

To show that carbondioxide is evolved in the process of respiration.

To show the spiration of the spiration o Chemicals: Potassium hydroxide pallets.

- Sock the given seeds in water overnight. Then keep them in wet cotton for some hours, so that they will sprout.
- Take these wet sprout in a conical flask; so that their respiration will be continued.
- Insert a test tube containing KOH pallets, in the conical flask.
- Tightly fit a rubber cork with bent tube and make the flask air tight.
- 5. Insert the other end of bent tube in a beaker containing coloured water. Mark the level of coloured water in the bent tube.
- 6 Keep this set steady for 15 minutes and again marks the water level in the bent tube.
- Note your observations.

reservation: Carbon dioxide evolved in respiration is absorbed by lentils..., therefore water level in bent tube rises.

Herence / Conclusion:CO.2....... gas is evolved during respiration in plant.

Plant used Coz for photosynthesis so, the coz

Multiple Choice Questions

- For experiment showing that CO, is evolved during respiration process in plants arrange following steps in proper order.
 - Il Soak gram seeds in water, overnight. Keep them in conical flask.
 - Dose the conical flask with cork fitted with 'U' tube.
 - in ent test tube with KOH solution in the conical flask.
 - Theep the set steady for some time.
 - 6 1, 11, 11, 1v b. 1, 11, 1v, 111 / 1, 111, 11, 1v, 11

Decomposition is a type of

Vaccobic respiration

b. anaerobic respiration

c cyothermic reaction.

d. non of these.

3. Mohan prepared lime water and next month used it for the experimen	t showing CO is
3. Mohan prepared lime water and next metals	5.0
evolved in the process of respiration.	
i. White precipitate is formed.	
ii. White precipitate is not formed.	
iii. Lime water must be fresh.	
iv. Lime water can be used anytime.	
a. (ii) is correct.	
c. (i) and (iv) are correct. d. (ii) and (iv) are correct.	
*	s of roomination
4. Before arranging the experiment "Carbon dioxide evolved during the proces	s of respiration",
the seeds must be	
a, completely dried. b. boiled to soften them.	
c. soaked in vinegar. kept moist till germination.	
5. The seeds respirate at the time of germination. While showing this experimen	t a test tube with
KOH is kept in the conical flask to	
supply oxygen necesary for respiration.	
b. create space in the conical flask by absorbing CO ₂ .	
c. absorb water from the seeds and dry them.	
d. make the air in the conical flask, acidic.	
: Exercise :	
1. How do the process of respiration occur in living organisms?	The second
All living organism must be capable of	eleasing
energy stored if food malecules through t	the
energy stored if food malecules through the lungs and abdomen.	
2. Why do we tired on quick exersise? When we exercice of our body starts to and respiration and lactic acid is formed. So tired on quick exercise	
When we exercice of our body starts to and	perobic
respiration and lactic acid is formed so	n use
ticed on quick exercise	J,
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3. Which type of respiration involves the process of fermentation?	
when the process of termentation invol	ves then.
the aerobic respiration involves the aro	CPGS
the arrobic respiration involves the property of fermentation.	7.0.3 3
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