

App 100

1. In case of water deficiency, why is the rate of photosynthesis lowered?

The rate of photosynthesis is lowered as plants tend to close their stomata to conserve water. As a plant also does not take up as much CO_2 .

2. In the experiment "Light is essential for photosynthesis", why does the uncoloured part of the leaf turn blue-black after putting iodine solution?

It is because the region which does not cover during the process of photosynthesis and it leads to the formation of starch.

3. What will happen to a plant if its xylem is removed?

Ans: If xylem is removed from a plant then upward movement of water will stop and the plant will not get water.

Q. What is osmoregulation?

Ans. The process by which animal control solute concentration and balance water gain and loss.

Q. Mention the respiratory unit of lungs and excretory unit of kidney.

Ans. Respiratory unit of lungs - Alveoli
Excretory unit of kidney - Nephron

Q. Where does digestion of fat takes place in our body?

Ans. In small intestine digestion of fat occur.