

TENDER HEART HIGH SCHOOL

Class - VII

Subject - Biology

Chapter - 4

Photosynthesis and Respiration

Teacher - Ms. Nidhi Rana

REVISION

Q.1 Why do leaves generally look green?

Ans. The green colour of a leaf is due to the presence of a green pigment called chlorophyll.

Q.2. What is the source of energy for photosynthesis?

Ans. The ultimate source of energy for photosynthesis is the light energy from the sun. Plants take in this solar energy along with carbon dioxide and water to convert into glucose.

Q.3. Which gas is taken in and which one is given out by the leaf in bright sunlight?

Ans. The gas which is taken in is carbon di-oxide and the gas which is given out is oxygen.

Q.4. What is the role of chlorophyll in photosynthesis?

Ans. The chlorophyll present in the leaves is the green pigment which gives them green colour. This pigment traps the energy of the sun for the process of photosynthesis which takes place inside the chloroplast of the leaf.

Q.5. Which four of the following are needed for photosynthesis in a leaf?

Ans. 1. Carbon di-oxide from air
2. Water from soil
3. Chlorophyll contained in leaf
4. Light from sunlight.