EXERCISES

A. Choose the correct answer.

1. The leaf is attached to the stem by
   (a) midrib (b) stalk ✓ (c) side veins (d) leaf blade

2. Water and carbon dioxide enter the leaf through
   (a) roots (b) stems (c) stomata ✓ (d) buds

3. The food prepared by the plants is in the form of
   (a) starch ✓ (b) protein (c) mineral (d) roughage

4. Which of the following is not needed in photosynthesis ?
   (a) chlorophyll (b) carbon dioxide (c) oxygen ✓ (d) sunlight

5. The energy that we get from the food produced by plants is the energy of the
   (a) soil (b) minerals (c) sun ✓ (d) stars

6. Non-green plants get their food through
   (a) sun
   (c) green plants
   (b) dead and decaying matter ✓
   (d) all of these

7. The process of photosynthesis takes place in
   (a) aquatic plants only
   (c) non-green plants
   (b) all plants
   (d) green plants only ✓

D. Name any two.

1. Edible roots : _Carrot_ , _Radish_
2. Edible stems : _Sugarcane_ , _Potato_
3. Edible leaves : _Spinach_ , _Cabbage_
4. Edible seeds : _Pea_ , _Gram_

Higher Order Thinking Skills (HOTS)

1. Plants like croton (which has colourful leaves) can make their food but plants like mushrooms cannot. Why?

   [Hint : Which substance traps energy of the sun to make food for the plants?]

QUICK ASSIGNMENT

A. Correct the following statements by crossing (✗) the wrong word.

1. In photosynthesis a plant gives out oxygen/~~carbon dioxide~~.
2. The energy from the sun is trapped in ~~stomata~~/chlorophyll.
3. The small openings on leaves for taking in air are called ~~stalk~~/stomata.
4. Dodder/~~croton~~ plant depends on other green plants for its food.

B. Fill in the blanks with appropriate words.

1. Plants are the _producer_ of food.
2. Leaves are known as the _kitchen_ of a plant.
3. Plant uses the energy of _Sun_ to prepare its food.
4. Moulds and mushrooms get their food from _dead and decaying matter_
5. _Iodine_ is used to test the presence of starch.
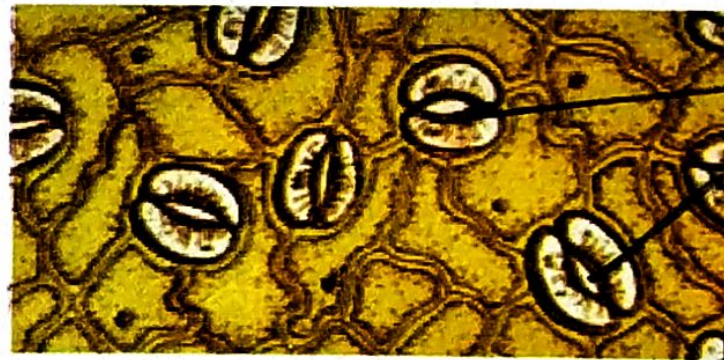
C. Match the following column A with column B.

Column A	Column B
1. The process of preparing food	(a) starch **5**
2. The flat surface of the leaf	(b) mould **3**
3. A non-green plant	(c) photosynthesis **1**
4. Gas required during photosynthesis	(d) leaf blade **2**
5. Prepared food is stored as	(e) carbon dioxide **4**

D. Label the diagram

Label the stomata.

stomata