

**Grade 4
Science**

Food Factory of Plant

A Fill in the blanks

Bracket fungi	glucose	Rough, light	autotrophs	sun
Photosynthesis	stomata	Smooth, dark	chlorophyll	edible

1. When Vaseline is applied to a leaf, it blocks the _____.
2. Spinach, peas and banana are _____ plant parts.
3. The upper side of the leaf is _____ and _____ in colour.
4. Plants make food using energy from the _____.
5. _____ grow on tree trunks.
6. The lower side of a leaf is _____ and _____ in colour.
7. The process by which plants prepare food is called _____.
8. Leaves appear green due to the presence of _____.
9. Plants prepare food in the form of _____.
10. Living things that can produce their own food are called _____.

B Match the following

Column A	Column B
1. Animals	a. Tip of a leaf
2. Chlorophyll	b. Leaves we eat
3. Sugarcane	c. Green substance
4. Methi	d. Heterotrophs
5. Leaf apex	e. Stem we eat

C True or False

1. Stomata can be seen with the naked eye. _____
2. Leaves need oxygen to make their food. _____
3. 'Photo' in the word photosynthesis means 'light'. _____
4. The pitcher plant can make its own food. _____
5. Plants and animals can live independent of each other. _____
6. Boiling a green leaf in alcohol darkens its green colour. _____
7. Croton plants do not have chlorophyll. _____
8. Fungi can prepare their own food. _____
9. Large scale cutting of the trees can disturb the balance in nature. _____
10. Mushroom is an example of non green plants. _____

D Answer the following questions.

1. Why are only green plants able to produce their own food?

Ans. _____

2. Why are leaves called the food factory of a plant?

Ans. _____

3. How do non-green plants obtain their food?

Ans. _____

4. Where do plants store their extra food?

Ans. _____

Answers

A.

1. stomata
2. edible
3. smooth, dark
4. sun
5. Bracket fungi
6. rough, light
7. Photosynthesis
8. chlorophyll
9. glucose
10. autotrophs

B.

1. d 2. c 3. e 4. b 5. a

C.

1. False
2. False
3. True
4. False
5. False
6. True
7. False
8. False
9. True
10. True

D.

1. Green plants are able to produce their own food because of the presence of a substance called chlorophyll in their leaves.
2. Leaves are called the food factory of a plant because they prepare food for the plant in the presence of chlorophyll using sunlight, water and carbon dioxide.
3. Non-green plants obtain their food from dead and decaying plants and animals.
4. Plants store their extra food as starch in roots, stems, leaves, fruits and seeds.