

Name: _____ Date: _____

Getting to Know Plants

Q1. Write an activity to test the presence of starch in a leaf.

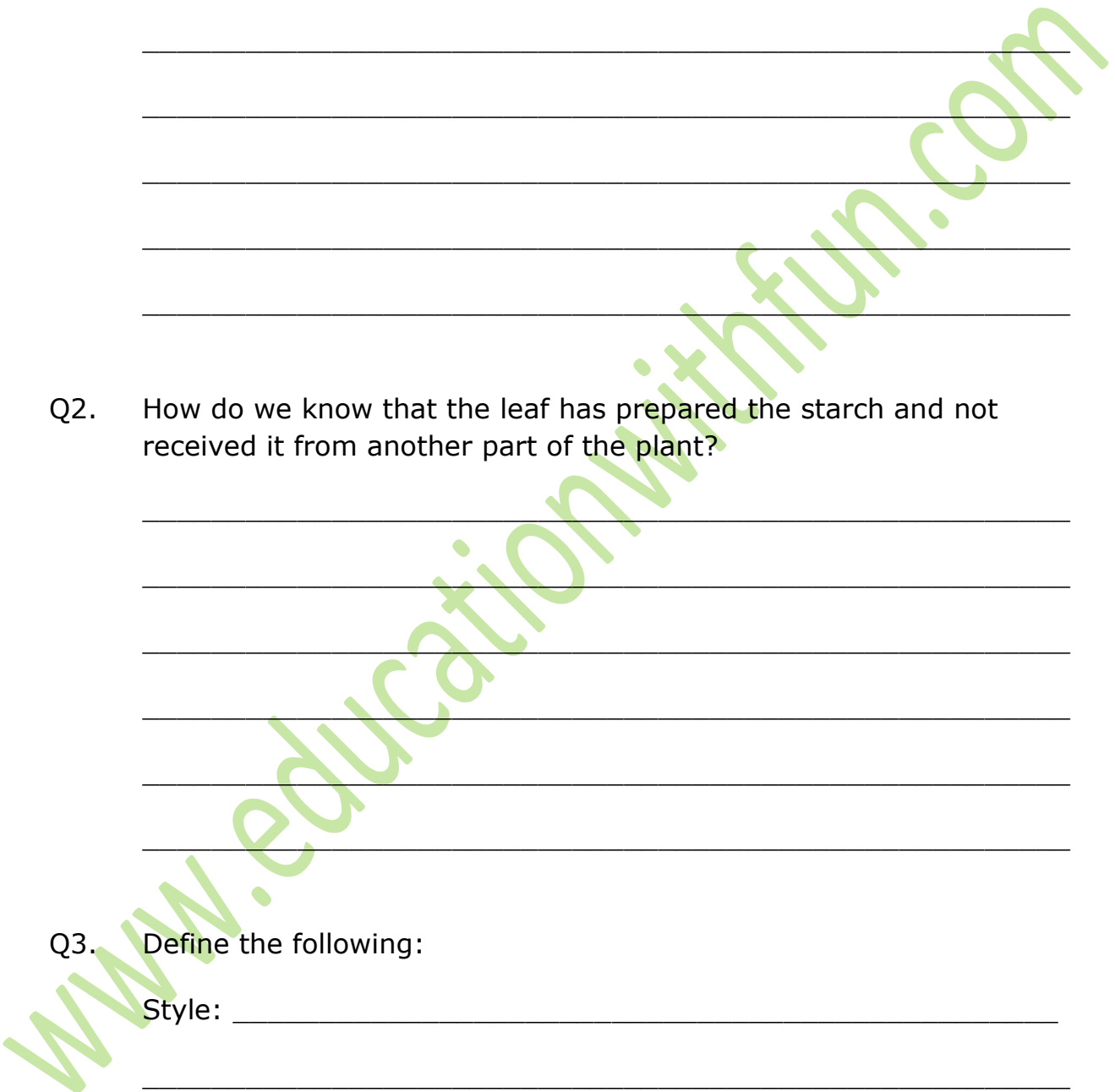
Ans. _____

Q2. How do we know that the leaf has prepared the starch and not received it from another part of the plant?

Q3. Define the following:

Style: _____

Stigma : _____



Getting to Know Plants

Q1.	Write an activity to test the presence of starch in a leaf.
Ans.	Take a leaf in a test tube and pour spirit to completely cover the leaf. Now place the test tube in a beaker half filled with water. Heat the beaker till all the green colour from the leaf comes out into the spirit in the test tube. Take out the leaf carefully and wash it in water. Put it on a plate and pour some iodine solution over it. We will see that colour changes to blue black. This shows the presence of starch in a leaf.
Q2.	How do we know that the leaf has prepared the starch and not received it from another part of the plant?
Ans.	To test this, place a potted plant with green leaves, in a dark room for a day or two. Now, cover a portion of a leaf of the plant completely with black paper and leave the plant in the sun for a day. Remove the leaf covered in black paper and pour some iodine solution over it. Change of color to blue black shows presence of starch.
Q3.	Define the following: Style: It is a long and slender stalk like structure that connects the stigma and the ovary. Stigma: The stigma is the head of the pistil and is a sticky platform which receives pollen.