

Standard Grade Biology
The World of Plants

3. Making Food

Checklist Grade

At the end of this topic you should be able to:

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| (a) explain the need for transport systems in a plant. | <input type="checkbox"/> General |
| (b) describe the pathways of movement of water and food in xylem and phloem. | <input type="checkbox"/> General |
| (c) describe the structure of phloem and xylem and identify other functions of the transport system. | <input type="checkbox"/> Credit |
| (d) state that plants take in carbon dioxide from the air through stomata which can open and close. | <input type="checkbox"/> General |
| (e) describe the external features and internal structure (epidermis, mesophylls and veins) of a leaf in relation to its function in gas exchange. | <input type="checkbox"/> Credit |
| (f) state that water vapour is lost through stomata. | <input type="checkbox"/> General |
| (g) state that green plants make their own food in the form of starch. | <input type="checkbox"/> General |
| (h) explain the dependence of food webs on photosynthesis. | <input type="checkbox"/> General |
| (i) describe the fate of carbon dioxide as structural and storage carbohydrates as energy sources. | <input type="checkbox"/> Credit |
| (j) state that green leaves convert light energy to chemical energy. | <input type="checkbox"/> General |
| (k) describe the process of photosynthesis in terms of raw materials and products. | <input type="checkbox"/> General |
| (l) explain what is meant by a limiting factor and describe the main limiting factors in the process of photosynthesis. | <input type="checkbox"/> Credit |

Homework

End of Topic Test