

**Name the parts of the leaf**



**Answers**

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| **No** | **Name** | **Function** |
| 1 | chloroplasts | Organelles that contain chlorophyll |
| 2 | waxy cuticle | Makes leaf water- and air-tight |
| 3 | upper epidermis | Transparent protective layer, covered in wax |
| 4 | palisade cells | Site of photosynthesis |
| 5 | spongy cells | Allow gases to move through |
| 6 | mesophyll | The inner of the leaf, spongy cells and palisade cells |
| 7 | lower epidermis | Like upper epidermis but has stomata |
| 8 | stoma | Pores for gas exchange (carbon dioxide goes in, oxygen comes out) |
| 9 | guard cell | Close stoma when it is too hot to prevent water vapour loss |
| 10 | xylem | Supplies water to the palisade cells |
| 11 | phloem | Transports the glucose to the rest of the plant |
| 12 | vascular bundle | The grouped pipelines of xylem and phloem |
| 13 | bundle sheath | Holds pipelines together |

