Internal Leaf Structure Crossword Answers

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 1 c | h | l | o | r | o | p | l | a | s | t | 2 s |
|  | 3 l | i | 4 g | h | t |  | p |
|  | u |  | 5 o |  | o |
| a |  | 6 v |  | x | n |
| r |  | 7 s | t | o | m | a | t | a |  | y | g |
|  | 8 p |  | d |  | s |  | g | y |
| h |  | 9 c | u | t | i | c | l | e |  |
| l | c | u |  | n | m |
| o | e | l |  | e |
| 10i | n | t | e | r | c | e | l | l | u | l | a | r | a | i | r | s | p | a | c | e | s |
|  | m |  | l |  | r |  | o |
|  | s | b | p |
|  | 11d | i | f | f | u | s | i | o | n |  | h |
|  | n |  | y |
| 12c | a | r | b | o | n | d | i | o | 13x | i | d | e |  | l |
|  | l |  | y |  | l |
|  | 14w | a | t | e | r |  | l |  |
|  | e |
| m |

# Across

1. In a mesophyll cell chlorophyll is contained inside (**chloroplasts**)

**3.** Epidermal cells lack chloroplasts to allow the penetration of this (**light**)

**7.** There are more in the lower surface than the upper surface of the leaf (**stomata**)

1. This is waxy and keeps water in the leaf (**cuticle**)
2. These allow the passage of gases to and from the mesophyll cells (**intercellularairspaces**)
3. The physical process responsible for the movement of gases into and out of the leaf (**diffusion**)
4. More of this gas passes into the leaf than comes out (**carbondioxide**)

**14.** Escapes as vapour from the leaf via the stomata (**water**)

# Down

1. These cells are irregularly shaped and contain chloroplasts (**spongy mesophyll**)
2. These cells have irregularly thickened walls, contain chloroplasts and move in pairs (**guard cells**)
3. A gas produced in photosynthesis and used respiration (**oxygen**)
4. Phloem and xylem combined form a vein or this (**vascularbundle**)

**8.** Tissue responsible for the translocation of sugar (**phloem**)

1. Dead tissue that transports water (**xylem**)