Internal Leaf Structure Crossword Answers

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# 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**)