

8 Transpiration and translocation – Part 2

— Answers

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Work through these after trying the questions yourself.

8.6 The loss of water vapour from the leaves of a plant.

8.7 The stomata.

8.8 Any two of: a higher temperature; more wind; drier air (lower humidity).

8.9 A part that makes or releases sucrose, for example a leaf.

8.10 Growing roots, a growing shoot, or a storage organ (any one).

8.11 On a hot, windy day **transpiration** is fast, so water is lost from the leaves faster than the roots can replace it. The cells lose water and become **flaccid**, so the plant **wilts**.