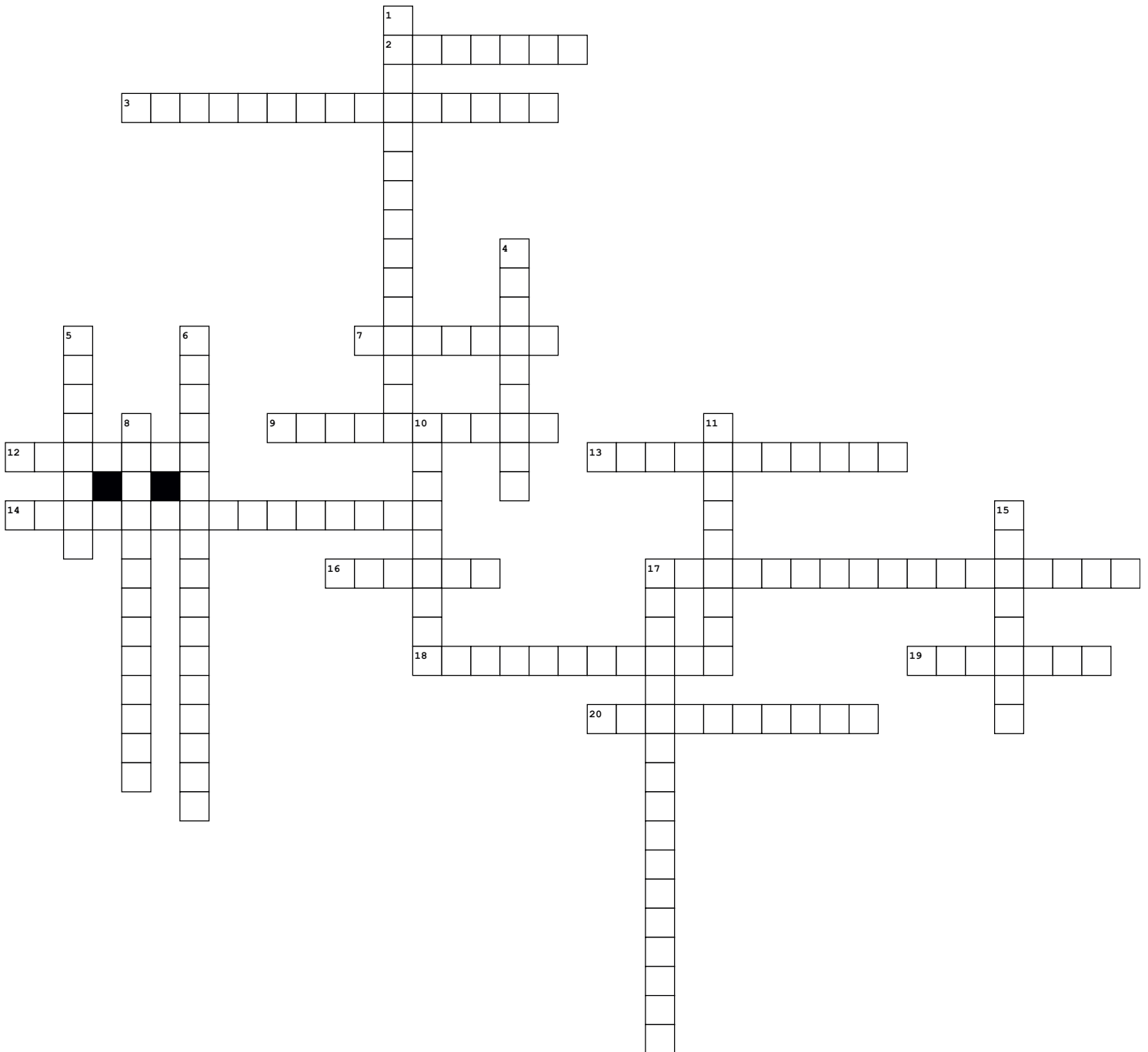


Leaf anatomy



Across

2. The blade is held away from the stem and supported by a leaf stem
3. Other leaves have several dominant veins branching out from the petiole.
7. When three or more leaves and buds are attached at a node
9. A leaf that has only one blade on its

Down

1. forms air spaces that hold raw materials to be used and products of photosynthesis.
4. Leaves and buds that are spaced along a stem in an alternating fashion
5. leaf A leaf with multiple blades
6. leaf has multiple leaflets attached along a rachis or axis

- 12.** can open and close
 - 13.** Veins in a branching pattern are called
 - 14.** leaf has multiple leaflets attached along a rachis or axis
 - 16.** Many leaves are organized with one main vein running down the middle of the blade
 - 17.** leaf has all its leaflets attached to a common point.
 - 18.** which refers to a condition where leaves and buds are not spaced far enough apart to be called alternate nor perfectly opposite.
 - 19.** On top of the leaf is a waxy non-cellular layer
 - 20.** The opening and closing is controlled by
- 8.** Monocots have leaves with
 - 10.** is a skin like layer of cells found on both the top and the bottom surface of the leaf.
 - 11.** The main sun-collecting structure on the leaf is a large broad flat surface
 - 15.** When leaves and buds are arranged directly across from each other on a stem
 - 17.** These standing cells are responsible for most of the photosynthesis in the leaf