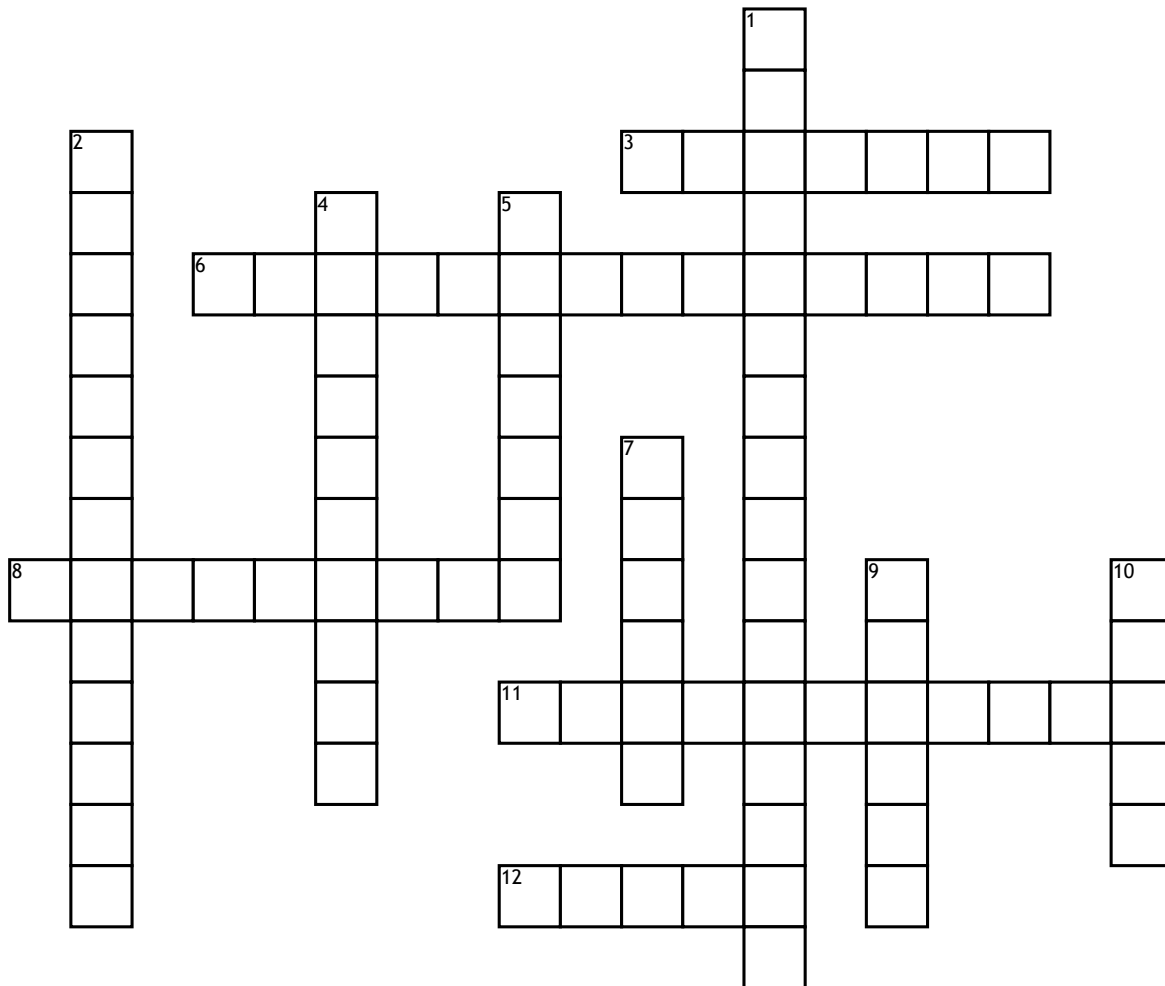


Stem structure and function



Across

3. Leaf arrangement where three or more leaves equally spaced at a node
6. Growth region situated at the tip of both root and shoot systems capable of repeated division
8. Allow for gaseous exchange to occur on the stem

11. Found on the 'v' between stem and leaf
12. Point for gaseous exchange occurs that is flanked by two guard cells

Down

1. Monocot leaf synonym
2. Connects companion cells to surrounding sieve-tube elements
4. used to view microscopic objects

5. Plant reproductive structures
7. second most abundant complex organic polymer responsible for secondary thickening in plants
9. Ground tissue is composed of pith and _____
10. Areas on the stem where leaves are attached